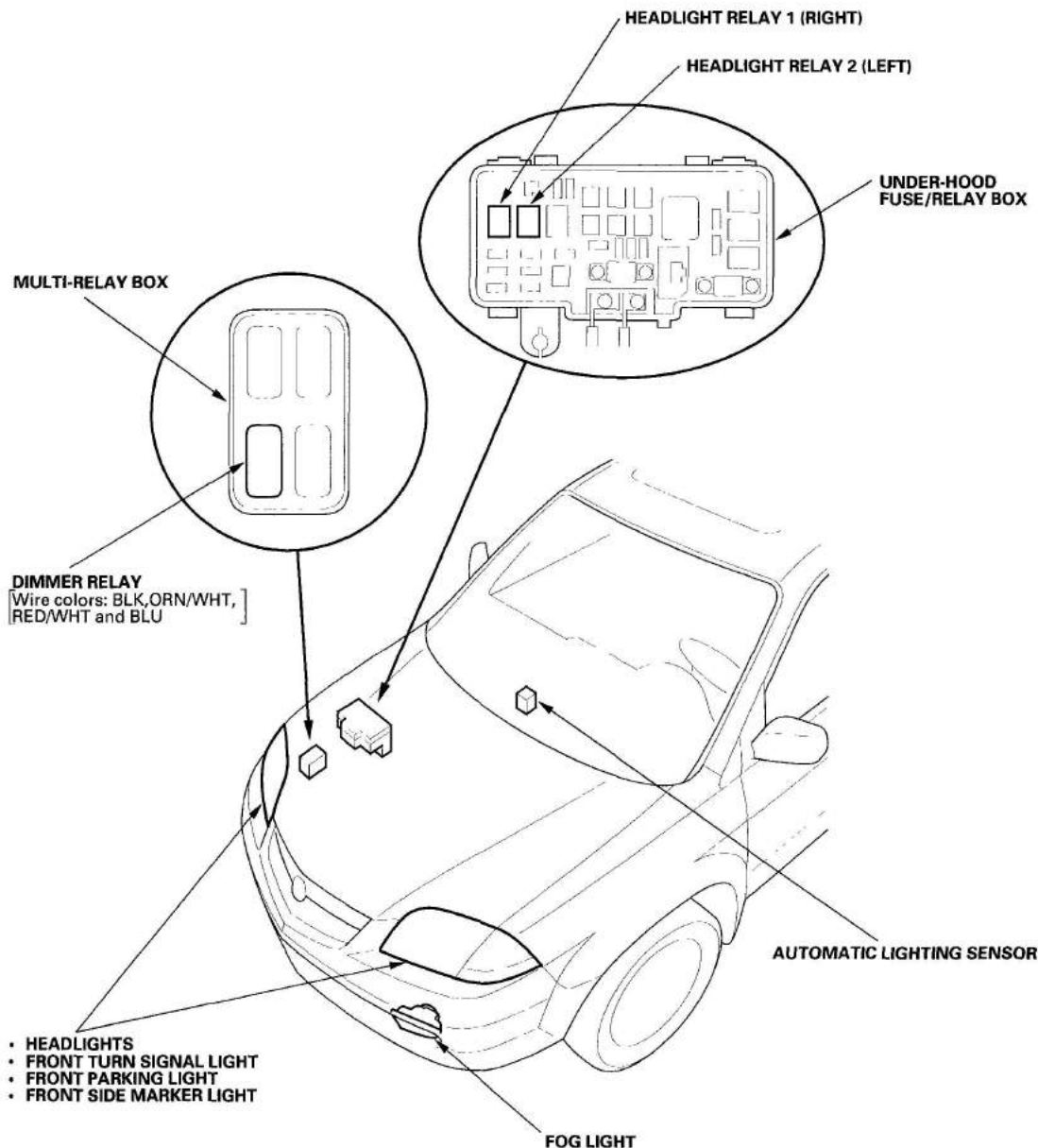


2003-06 ACCESSORIES & EQUIPMENT

Exterior Light - MDX

COMPONENT LOCATION INDEX

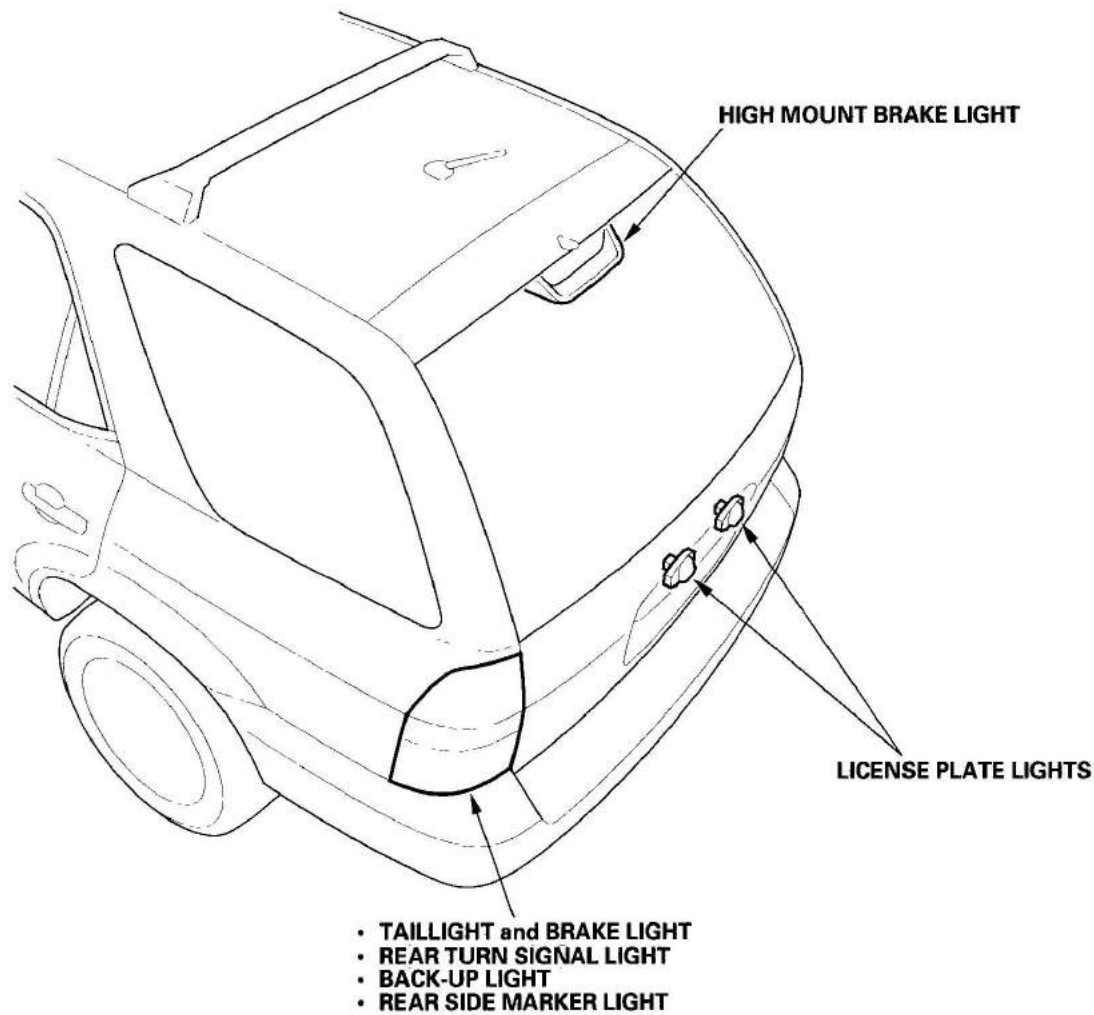


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Fig. 1: Exterior Light Components Location (1 Of 3)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

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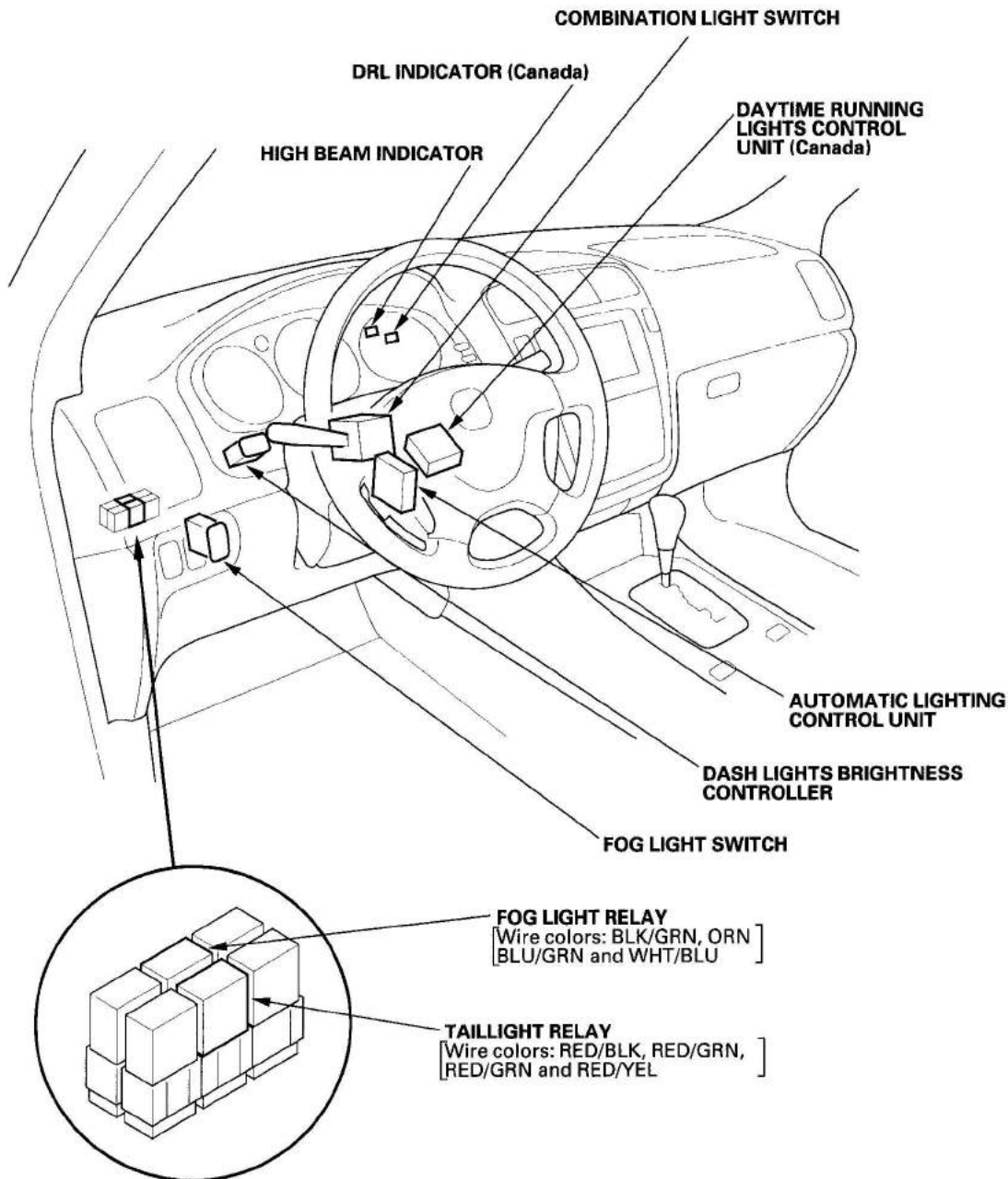


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Fig. 2: Exterior Light Components Location (2 Of 3)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

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Fig. 3: Exterior Light Components Location (3 Of 3)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

CIRCUIT DIAGRAM

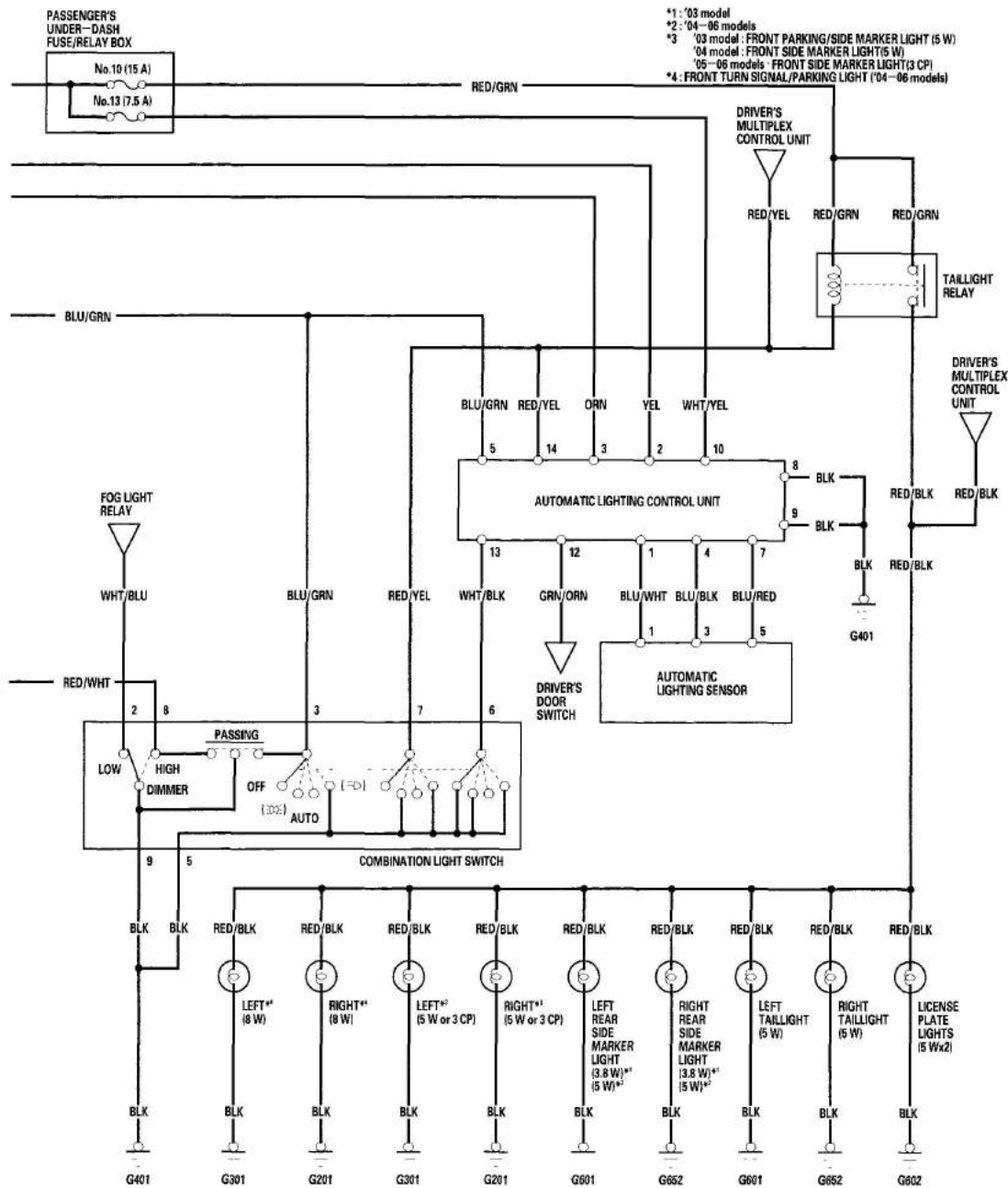
2003-06 ACCESSORIES & EQUIPMENT Exterior Light - MDX

[illegible]

Fig. 4: Exterior Light Circuit Diagram (USA - 1 Of 2)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

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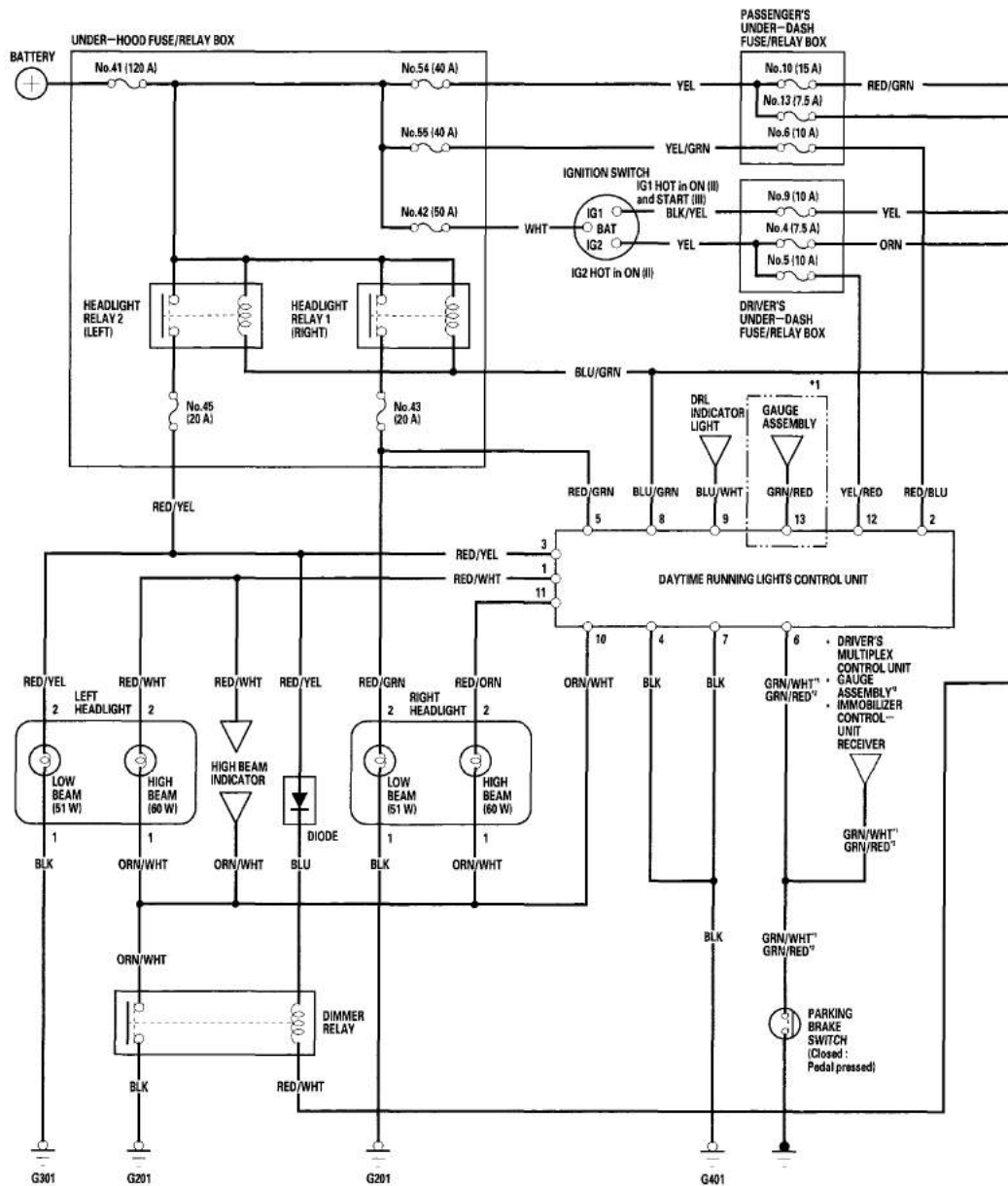
2003-06 ACCESSORIES & EQUIPMENT Exterior Light - MDX



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Fig. 5: Exterior Light Circuit Diagram (USA - 2 Of 2)
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

Canada



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Fig. 6: Exterior Light Circuit Diagram (CANADA - 1 Of 2)

Courtesy of AMERICAN HONDA MOTOR CO., INC.

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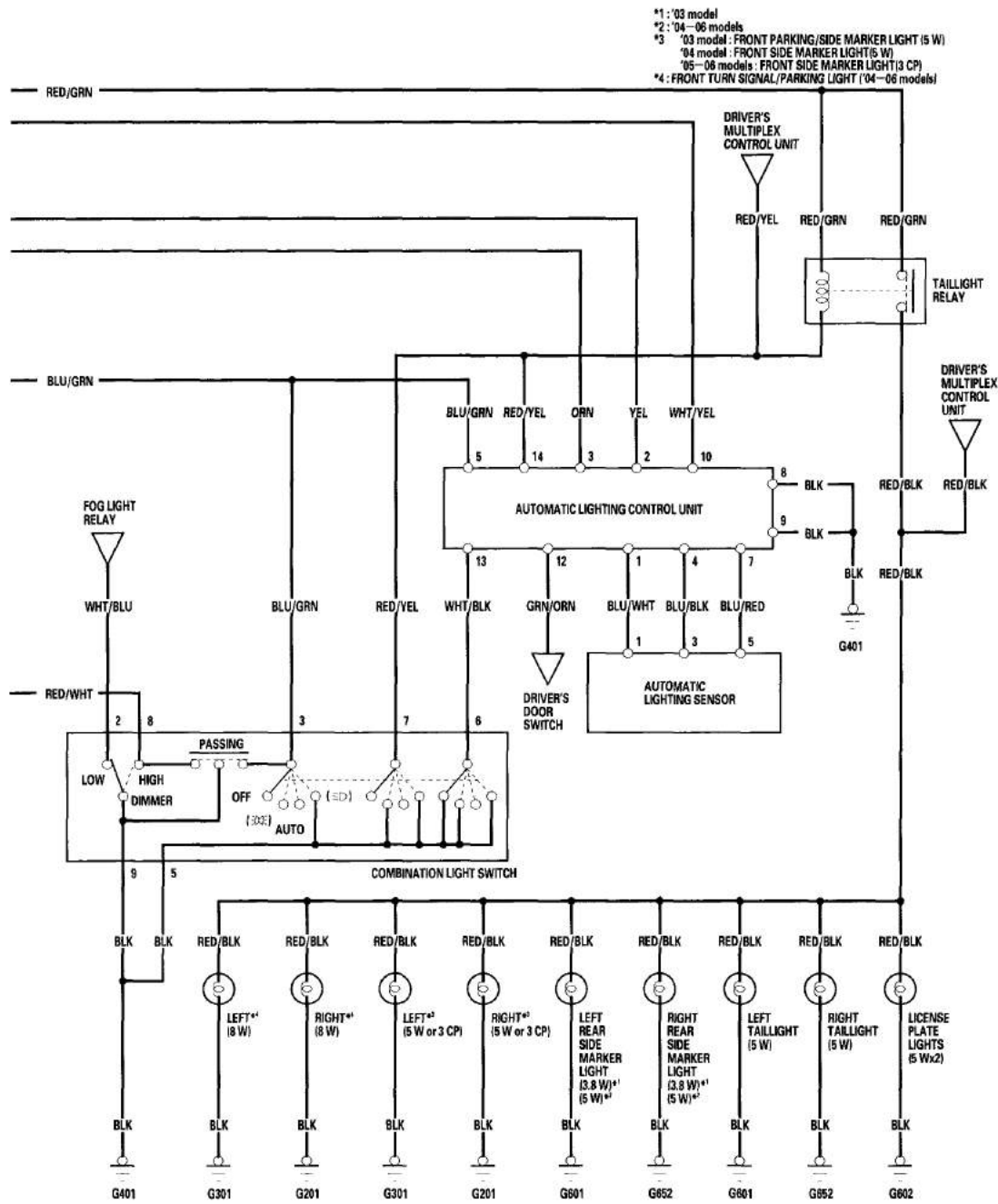
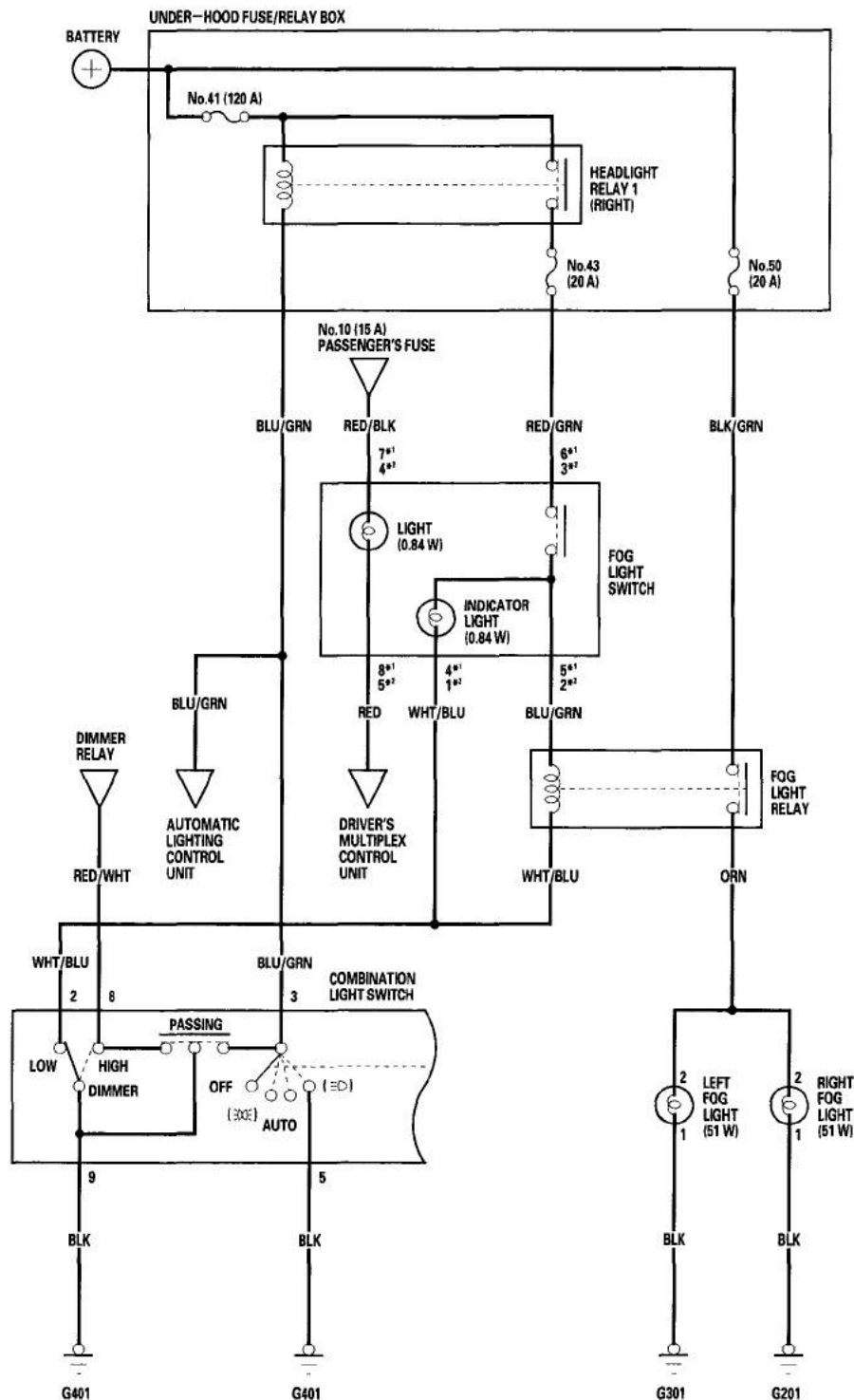


Fig. 7: Exterior Light Circuit Diagram (CANADA - 2 Of 2)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

CIRCUIT DIAGRAM - FOG LIGHTS

*1: '03 and '05-'06 models
*2: '04 models



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Fig. 8: Circuit Diagram - Fog Lights

Courtesy of AMERICAN HONDA MOTOR CO., INC.

CIRCUIT DIAGRAM - BACK-UP LIGHTS

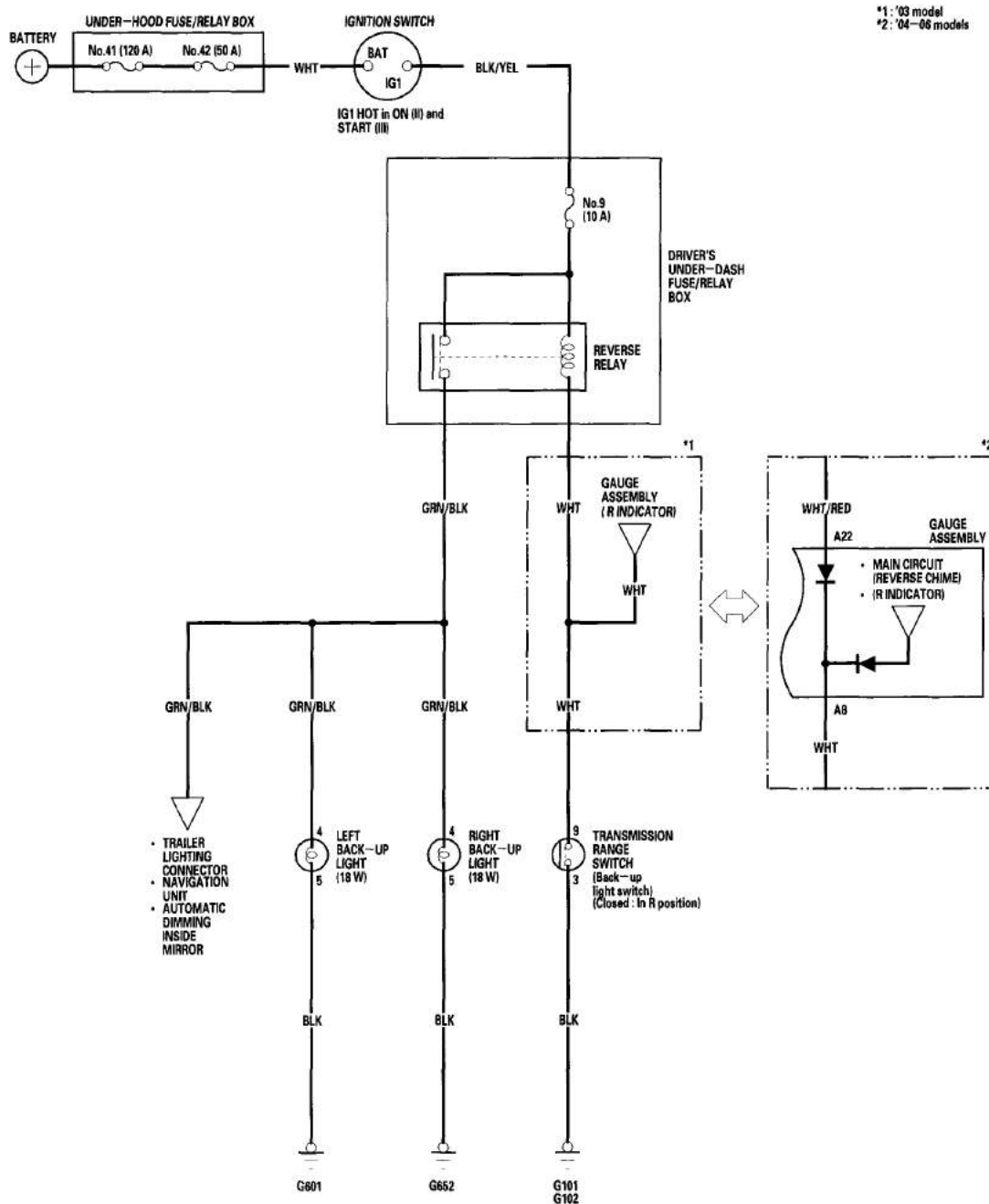
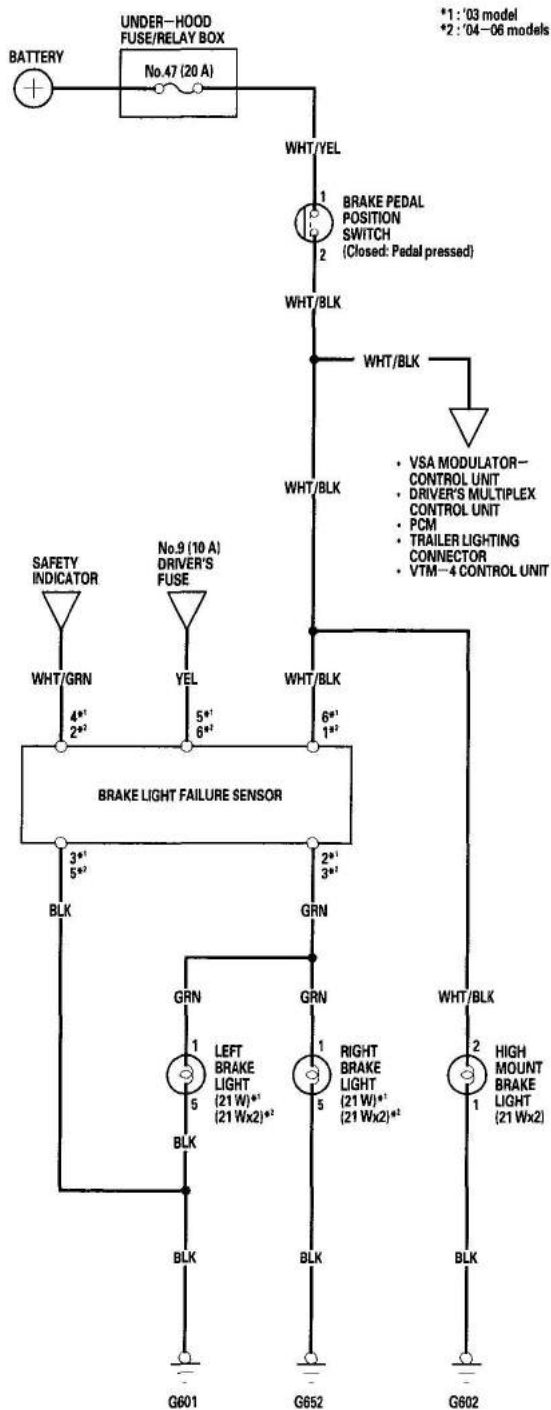


Fig. 9: Circuit Diagram - Back-Up Lights
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

CIRCUIT DIAGRAM - BRAKE LIGHTS

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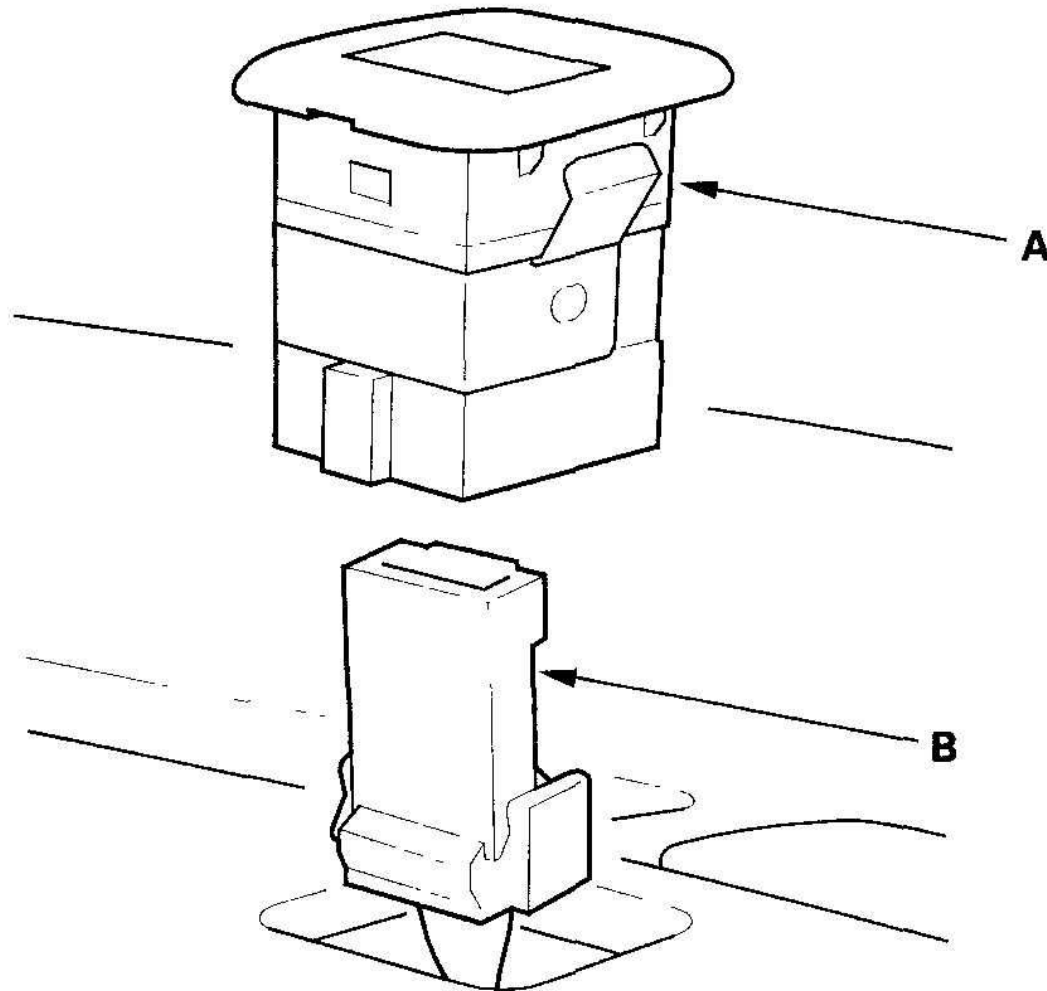
Fig. 10: Circuit Diagram - Brake Lights

Courtesy of AMERICAN HONDA MOTOR CO., INC.

AUTOMATIC LIGHTING SENSOR REPLACEMENT

NOTE: Take care not to scratch the dashboard.

1. Pry out the automatic lighting sensor (A).



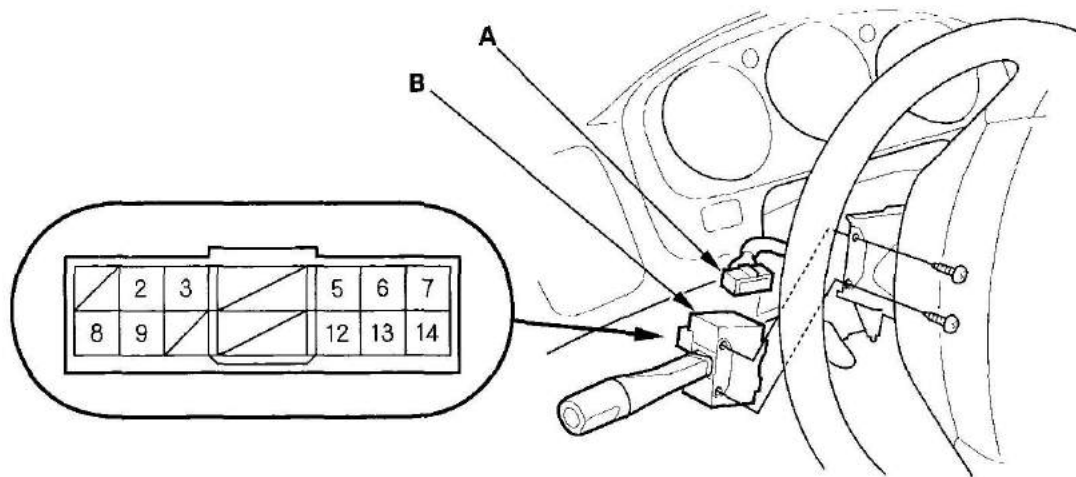
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Fig. 11: Prying Out Automatic Lighting Sensor
Courtesy of AMERICAN HONDA MOTOR CO., INC.

2. Disconnect the 5P connector (B).
3. Install in the reverse order of removal.

COMBINATION LIGHT SWITCH TEST/REPLACEMENT

1. Remove the driver's dashboard lower cover (see **DRIVER'S DASHBOARD UNDER COVER REMOVAL/INSTALLATION**).
2. Remove the steering column covers (see **STEERING COLUMN REMOVAL AND INSTALLATION**).
3. Disconnect the 14P connector (A) from the combination light switch (B).



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Fig. 12: Disconnecting 14P Connector From Combination Light Switch
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

4. Remove the two screws, then pull out the combination light switch.
5. Inspect the connector terminals to be sure they are all making good contact.
 - If the terminals are bent, loose or corroded, repair them as necessary, and recheck the system.
 - If the terminals look OK, check for continuity between the terminals in each switch position according to **Fig. 13** and **Fig. 14** .

Terminal		2	3	5	6	7	8	9
Position								
Headlight switch	OFF			○	○			
	⌂			○	○	○		
	AUTO							
	⌂ LOW	○	○	○	○	○		○
Passing switch	⌂ HIGH		○	○	○	○	○	○
	OFF							
Passing switch	ON		○				○	○

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Fig. 13: Checking Continuity Between Terminals (Light Switch)
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

Terminal Position	12	13	14
LEFT	○ ——— ○		
NEUTRAL			
RIGHT		○ ——— ○	

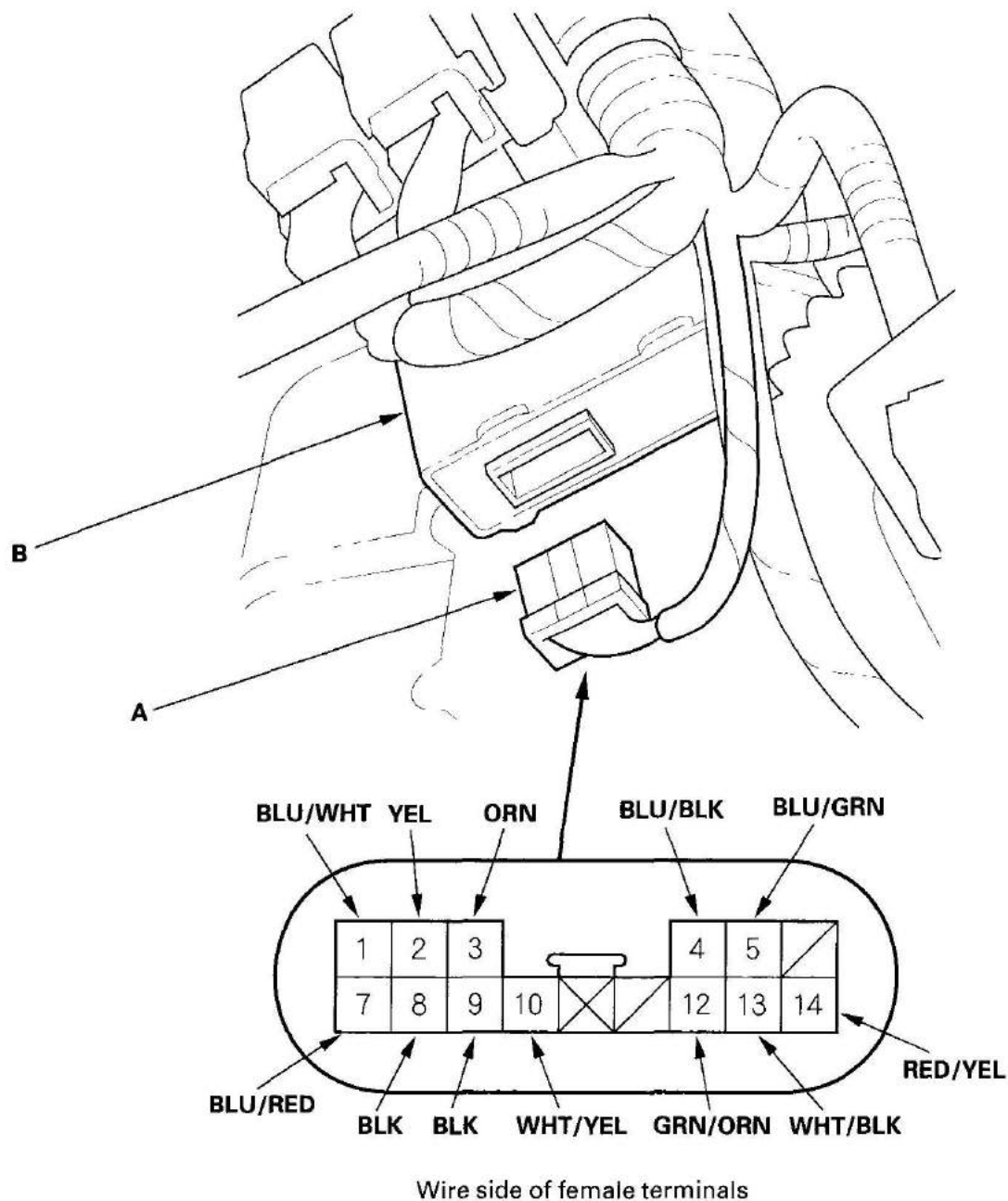
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Fig. 14: Checking Continuity Between Terminals (Turn Signal Switch)
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

6. If the continuity is not as specified in the table, replace the switch.

AUTOMATIC LIGHTING CONTROL UNIT INPUT TEST

1. Remove the driver's dashboard lower cover (see **DRIVER'S DASHBOARD UNDER COVER REMOVAL/INSTALLATION**).
2. Disconnect the 14P connector (A) from the automatic lighting control unit (B).



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Fig. 15: Disconnecting 14P Connector From Automatic Lighting Control Unit
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Inspect the connector and socket terminals to be sure they are all making good contact.
 - If the terminals are bent, loose or corroded, repair them as necessary, and recheck the system.
 - If the terminals look OK, go to step 4.

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4. Make these input tests at the connector.

- If any test indicates a problem, find and correct the cause, then recheck the system.
- If all input tests prove OK, the control unit must be faulty; replace it.

AUTOMATIC LIGHTING CONTROL UNIT INPUT TEST (1 OF 2)

Cavity	Wire	Test condition	Test: Desired result	Possible cause if result is not obtained
2	YEL	Ignition switch ON (II) or START (III) ⁽¹⁾	Check for voltage to ground: There should be battery voltage.	• Blown No. 9 (10 A) fuse in the driver's under-dash fuse/relay box • An open in the wire
3	ORN	Ignition switch ON (II) ⁽¹⁾		• Blown No. 4 (7.5 A) fuse in the driver's under-dash fuse/relay box • An open in the wire
5	BUU/GRN	Combination switch in the OFF, PARK, and AUTO positions	Check for voltage to ground: There should be battery voltage.	• Faulty headlight relay 1 or 2 • An open in the wire
8	BLK	Under all conditions ⁽¹⁾	Check for voltage to ground: There should be less than 1 V.	• Poor ground (G401) • An open in the wire
9				
10	WHT/YEL	Under all conditions ⁽¹⁾	Check for voltage to ground: There	• Blown No. 13 (7.5 A) fuse in the passenger's

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			should be battery voltage.	under-dash fuse/relay box • An open in the wire
12	GRN/ORN	Driver's door open ⁽¹⁾	Check for voltage to ground: There should be less than 1 V.	• Faulty driver's door switch • An open in the wire
13	WHT/BLK	Combination light switch ON (Except "AUTO")	Check for continuity to ground: There should be continuity.	• Faulty combination light switch • Poor ground (G401) • An open in the wire
14	RED/YEL	Under all conditions	Check for voltage to ground: There should be battery voltage.	• Faulty taillight relay • An open in the wire • Blown No. 10 (15 A) fuse in the passenger's under-dash fuse/relay box
(1) Reconnect the 14P connector to the control unit				

NOTE: Before testing, connect a voltmeter and jumper wires as shown in Fig. 16 :

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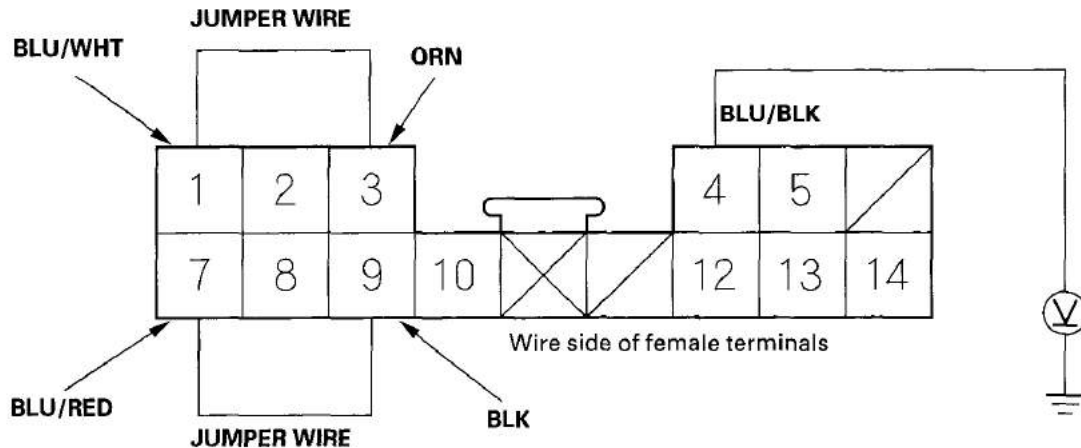


Fig. 16: Connecting Voltmeter And Jumper Wires
Courtesy of AMERICAN HONDA MOTOR CO., INC.

AUTOMATIC LIGHTING CONTROL UNIT INPUT TEST (2 OF 2)

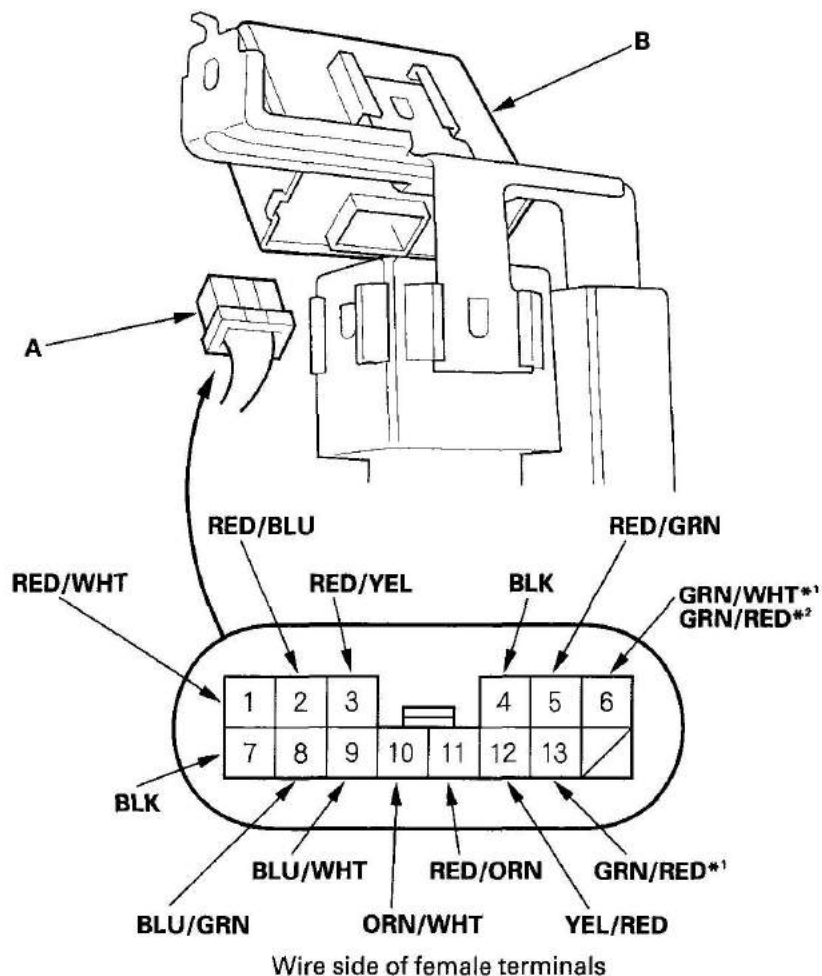
Cavity	Wire	Test condition	Test: Desired result	Possible cause if result is not obtained
4	BLU/BLK	Cover the automatic lighting sensor ⁽¹⁾	Check for voltage between the No. 4 terminal and body ground: There should be less than 1 V.	- Faulty automatic lighting sensor - An open in the wire
		Shine light on the automatic lighting sensor	Check for voltage between the No. 4 terminal and body ground: There should be 5 V or more.	- Faulty automatic lighting sensor - An open in the wire

(1) The automatic lighting sensor is located in the middle of dashboard. Cut the light off completely with a dark cloth.

DAYTIME RUNNING LIGHTS CONTROL UNIT INPUT TEST

CANADA

1. Remove the driver's dashboard lower cover (see **DRIVER'S DASHBOARD UNDER COVER REMOVAL/INSTALLATION**).
2. Disconnect the 14P connector (A) from the daytime running lights control unit (B).



*1: '03 model

*2: '04-06 models

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Fig. 17: Disconnecting 14P Connector From Daytime Running Lights Control Unit
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Inspect the connector and socket terminals to be sure they are all making good contact.
 - If the terminals are bent, loose or corroded, repair them as necessary, and recheck the system.

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- If the terminals look OK, go to step 4.
- 4. Make these input tests at the connector.
 - If any test indicates a problem, find and correct the cause, then recheck the system.
 - If all the input tests prove OK, the control unit must be faulty; replace it.

Cavity	Wire	Test condition	Test: Desired result	Possible cause if result is not obtained
2	RED/BLU	Under all conditions ^{*1}	Check for voltage to ground: There should be battery voltage.	• Blown No. 55 (40 A) fuse in the under-hood fuse/relay box • Blown No. 6 (10 A) fuse in the passenger's under-dash fuse/relay box • An open in the wire
12	YEL/RED	Ignition switch ON (II) ^{*1}	Check for voltage to ground: There should be battery voltage.	• Blown No. 5 (10 A) fuse in the driver's under-dash fuse/relay box • An open in the wire
4	BLK	Under all conditions ^{*1}	Check for voltage to ground: There should be less than 1 V.	• Poor ground (G401) • An open in the wire
7	BLK	Under all conditions ^{*1}	Check for continuity to ground: There should be continuity.	• Poor ground (G401) • An open in the wire
3	RED/YEL	Combination light switch ON (I) (D)	Check for voltage to ground: There should be battery voltage.	• Blown No. 45 (20 A) fuse in the under-hood fuse/relay box • Faulty headlight relay 2 • Faulty combination light switch • An open in the wire • Faulty driver's multiplex control unit
5	RED/GRN	Combination light switch ON (I) (D)	Check for voltage to ground: There should be battery voltage.	• Blown No. 43 (20A) fuse in the under-hood fuse/relay box • Faulty headlight relay 1 • Faulty combination light switch • An open in the wire • Faulty driver's multiplex control unit
1	RED/WHT	Combination light switch ON (I) (D), and dimmer switch in HIGH	Connect a jumper wire between No. 3 and No. 1 terminals: Left headlight (HIGH) and high beam indicator should come on.	• Blown bulb • Faulty dimmer relay • Faulty combination light switch • Poor ground (G201) • An open in the wire
11	RED/ORN	Combination light switch ON (I) (D), and dimmer switch in HIGH	Connect a jumper wire between No. 5 and No. 11 terminals: Right headlight (HIGH) should come on.	• Blown bulb • Faulty dimmer relay • Faulty combination light switch • Poor ground (G201) • An open in the wire
10	ORN/WHT	Combination light switch ON (I) (D), and dimmer switch in HIGH	Check for continuity to ground: There should be continuity.	• Faulty dimmer relay • Faulty combination light switch • Poor ground (G201) • An open in the wire
6	GRN/WHT ^{*2} GRN/RED ^{*3}	Parking brake pedal pressed	Check for continuity to ground: There should be continuity.	• Faulty parking brake switch • An open in the wire
8	BLU/GRN	Under all conditions	Check for voltage to ground: There should be battery voltage.	• Faulty headlight relays • An open in the wire • Faulty driver's multiplex control unit
9	BLU/WHT	Ignition switch ON (II)	Attach to ground: The DRL indicator should come on.	• Blown bulb^{*2} • Faulty gauge assembly^{*3} • An open in the wire
13	GRN/RED ^{*2}	Ignition switch ON (II)	Attach to ground: The brake system light should come on.	• Blown bulb • An open in the wire

* 1: Reconnect the 14P connector to the control unit

* 2: '03 model

* 3: '04-06 models

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Fig. 18: Input Tests At Connector Chart
Courtesy of AMERICAN HONDA MOTOR CO., INC.

HEADLIGHT ADJUSTMENT

CAUTION: Headlights become very hot during use; do not touch them or any attaching hardware immediately after they have been turned off.

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2003-06 ACCESSORIES & EQUIPMENT Exterior Light - MDX

Before adjusting the headlights:

- Park the vehicle on a level surface.
 - Make sure the tire pressures are correct.
 - The driver or someone who weighs the same should sit in the driver's seat.
1. Clean the outer lens so that you can see the square on the headlights (A).

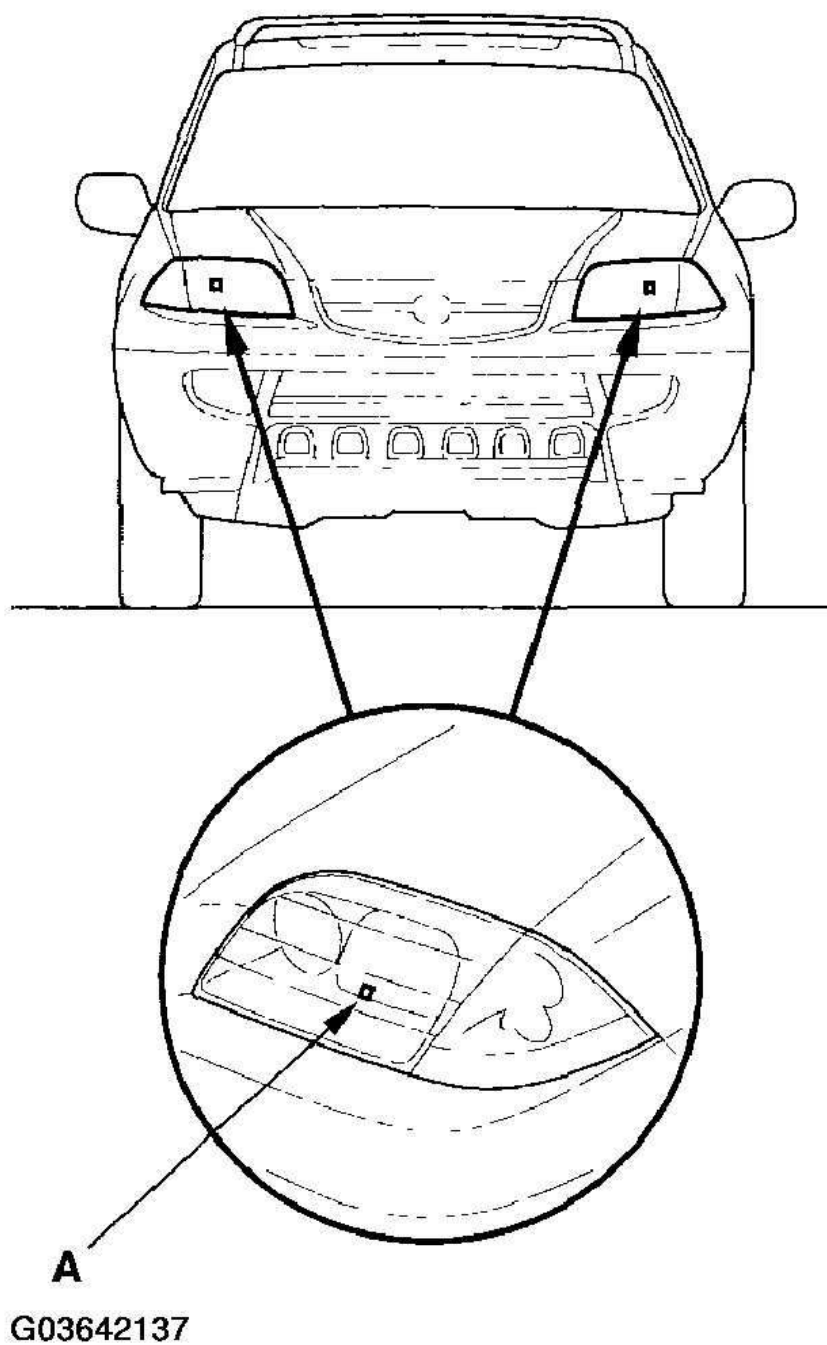
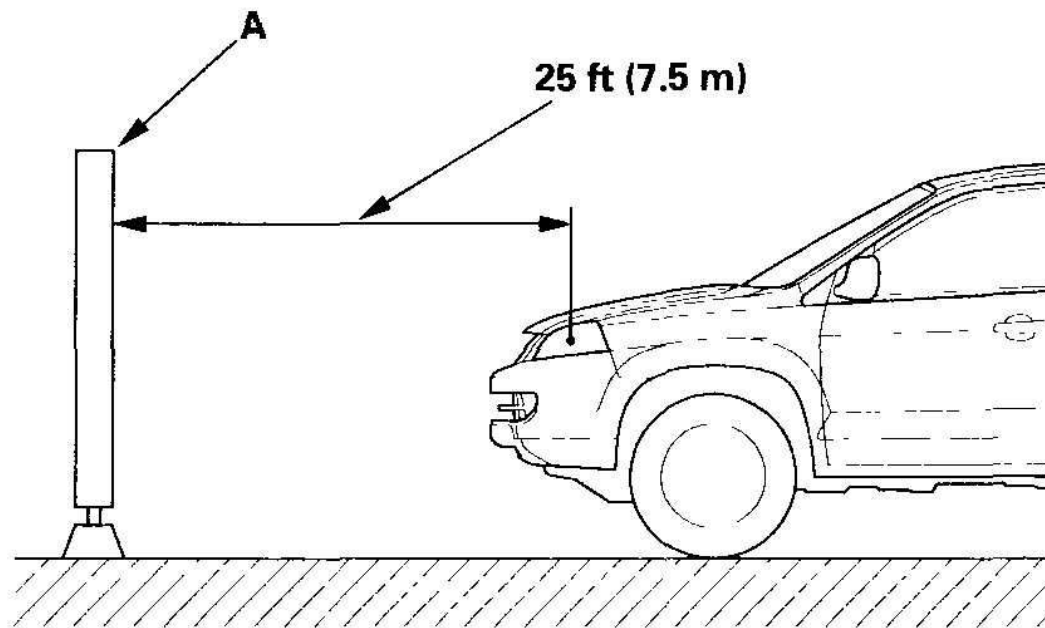


Fig. 19: Cleaning Outer Lens Of Headlights
Courtesy of AMERICAN HONDA MOTOR CO., INC.

2. Park the vehicle 25 ft (7.5 m) away from a wall or a screen (A).



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Fig. 20: Parking Vehicle Away From Wall Or Screen
Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Turn the low beams on.
4. Determine if the headlights are aimed properly.

Vertical adjustment ('03 model):

Measure the height of the headlights (A). The lights should reflect 2.1 in. (52 mm) below headlight height (B).

Vertical adjustment ('04-'06 models):

Measure the height of the headlights (A). Adjust the cut line (B) to the lights height.

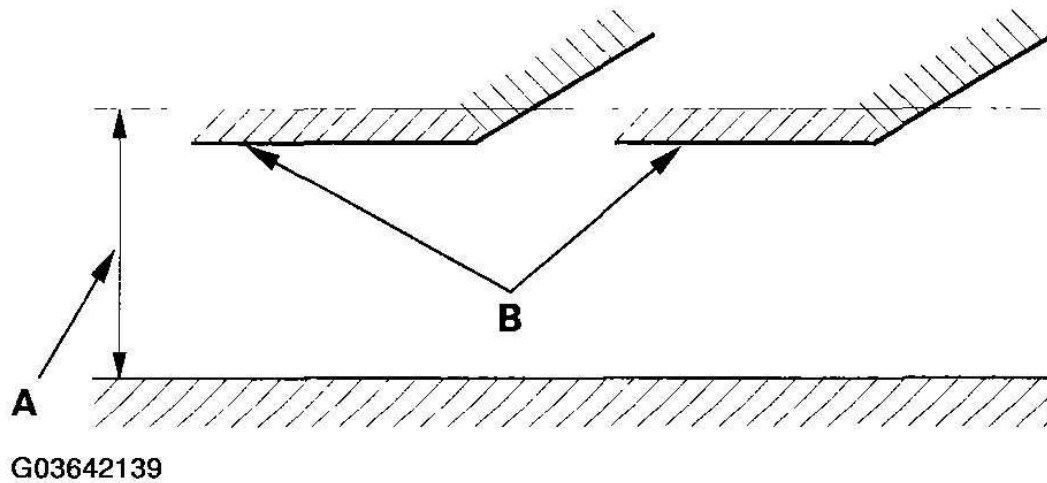


Fig. 21: Measuring Height Of Headlights ('03 Model)
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

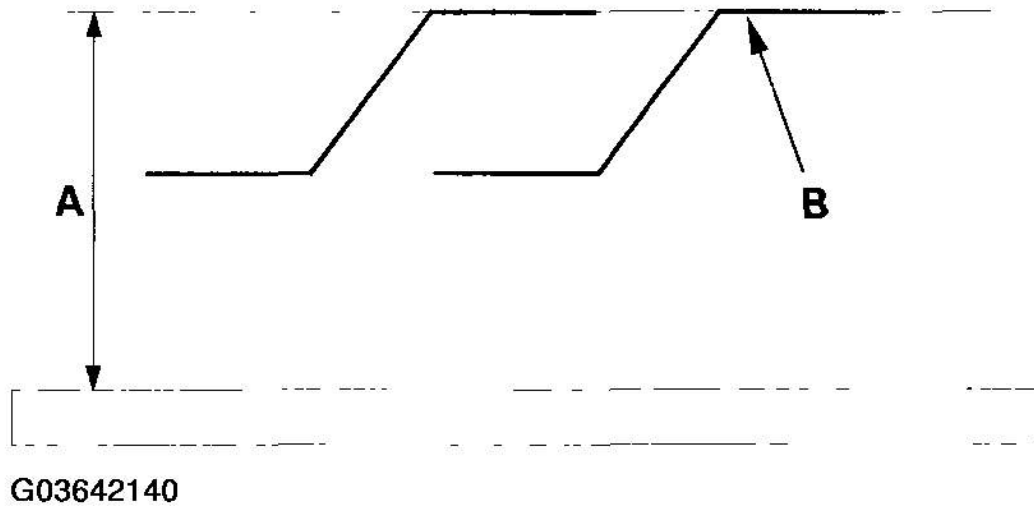
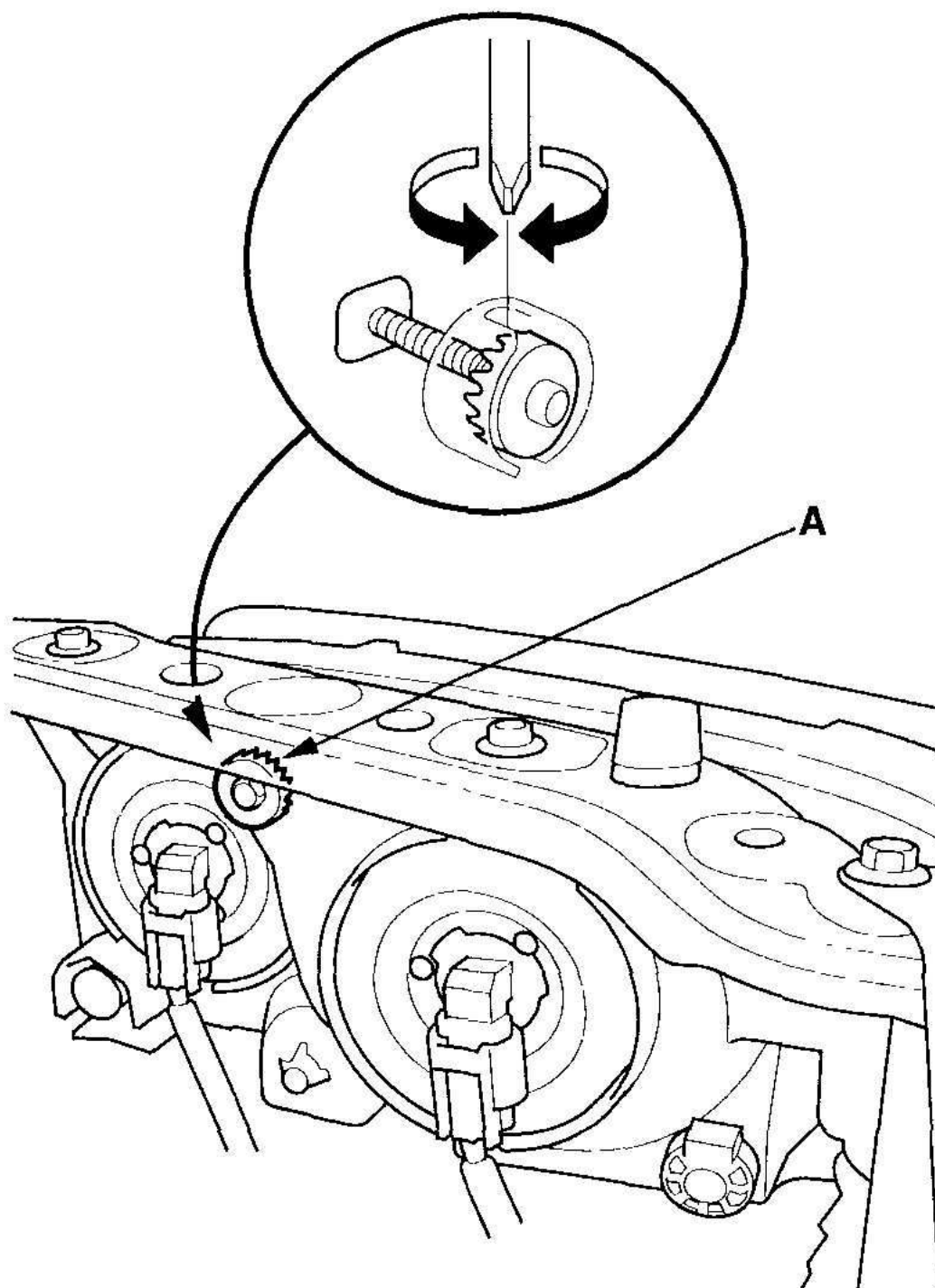


Fig. 22: Measuring Height Of Headlights ('04-'06 Models)
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

5. If necessary, adjust the headlights to local requirements by turning the vertical adjuster (A).

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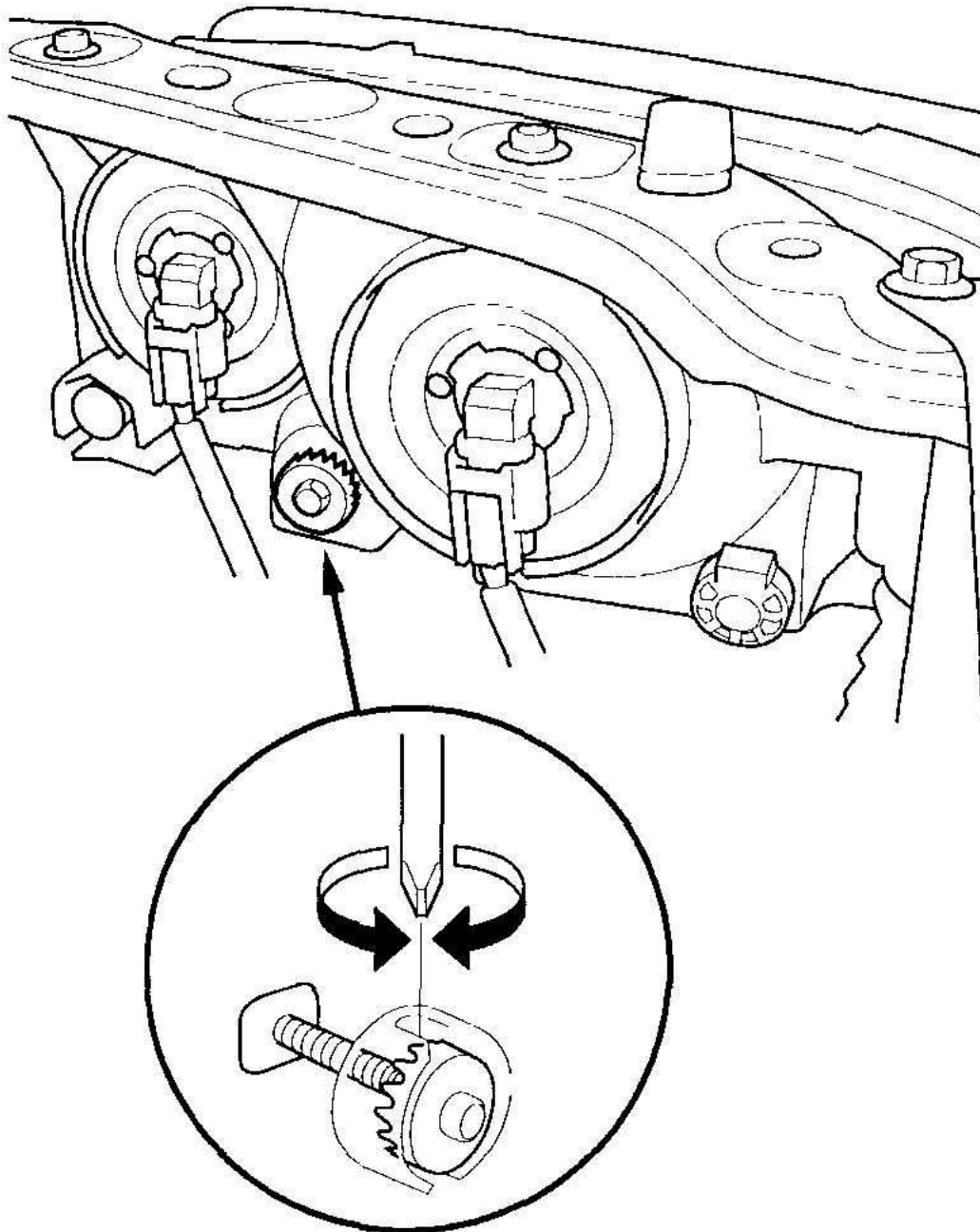
2003-06 ACCESSORIES & EQUIPMENT Exterior Light - MDX



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Fig. 23: Adjusting Headlights ('03 Model)

Courtesy of AMERICAN HONDA MOTOR CO., INC.



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Fig. 24: Adjusting Headlights ('04-06 Models)

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Courtesy of AMERICAN HONDA MOTOR CO., INC.

HEADLIGHT REPLACEMENT

1. Remove the front bumper.
 - '03 model (see **2003 MODEL**)
 - '04-'06 models (see **2004-06 MODELS**)
2. Disconnect the connectors (A) from the headlight (B).

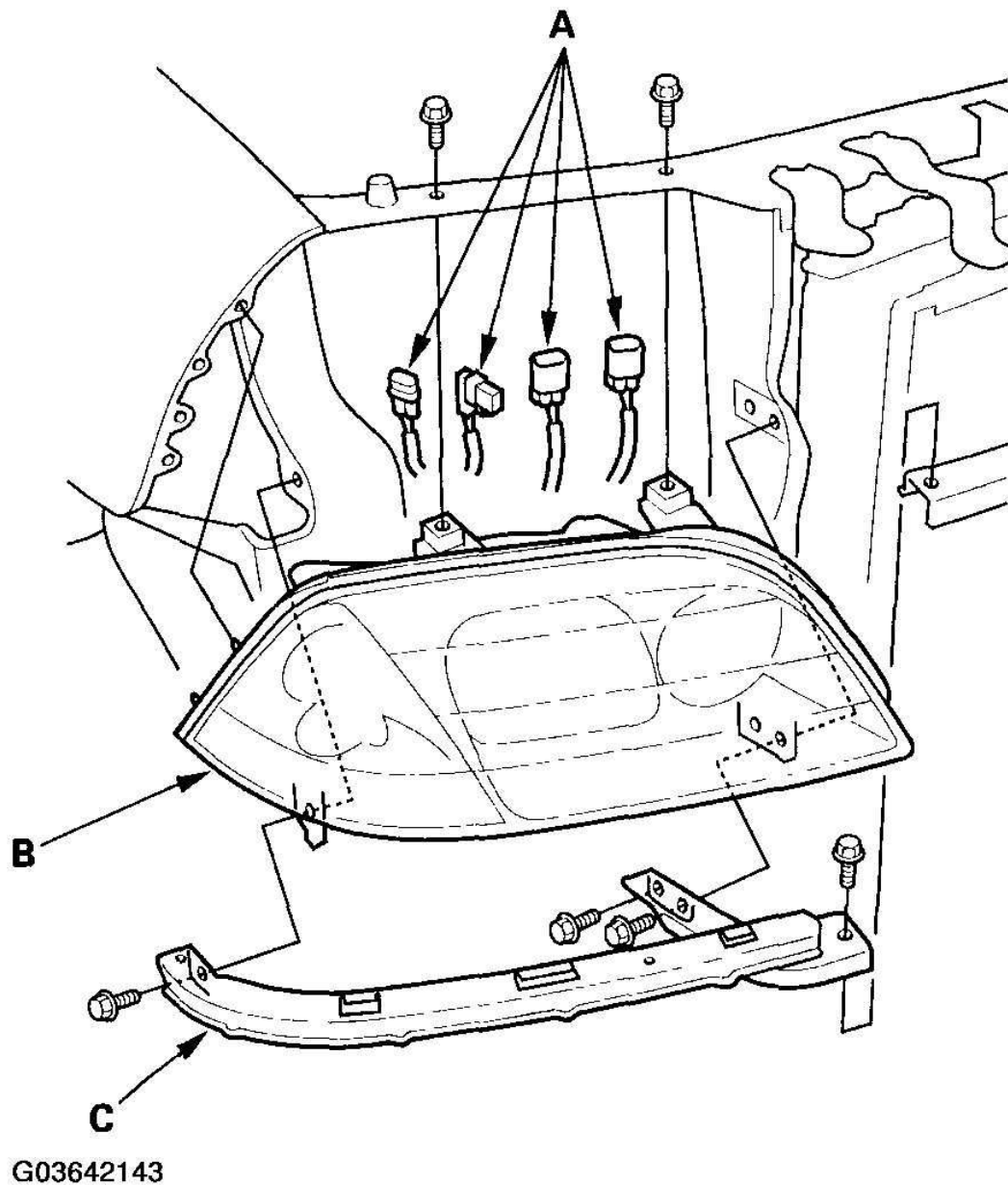


Fig. 25: Disconnecting Connectors From Headlight
Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Remove the six mounting bolts, then remove the corner upper beam (C) and headlight assembly.
4. Install in the reverse order of removal.
5. After replacement, adjust the headlights to local requirements.

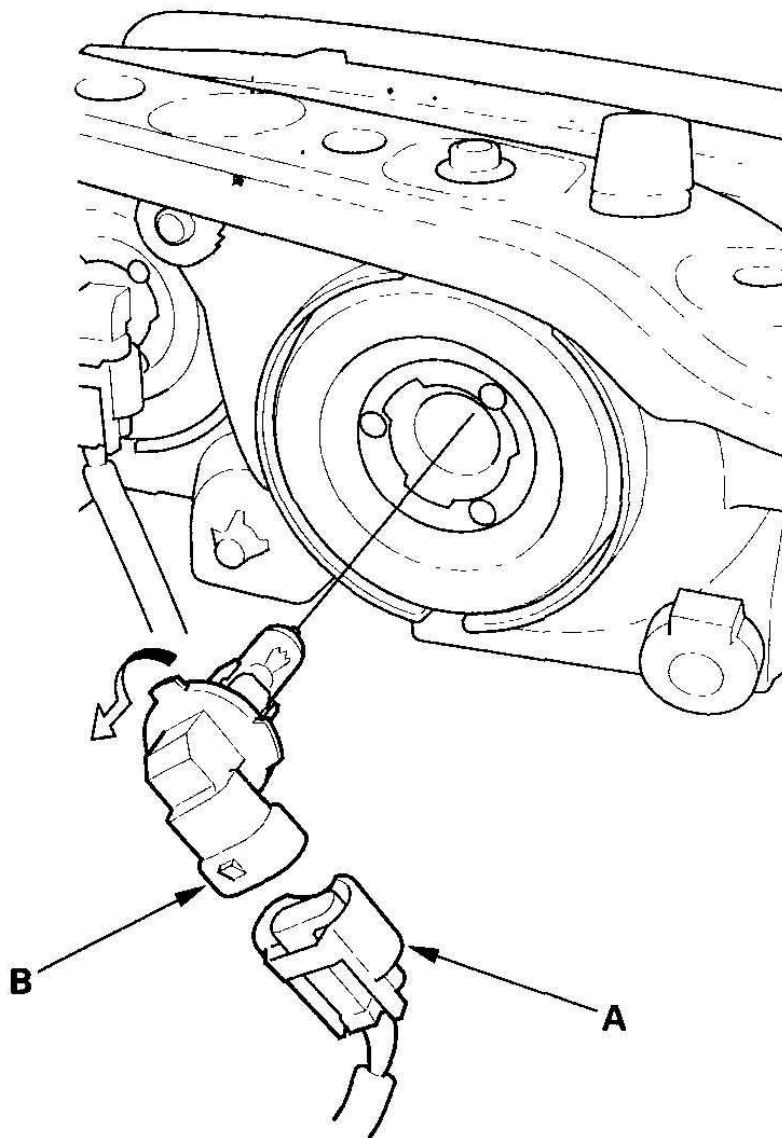
BULB REPLACEMENT

HEADLIGHT

1. Disconnect the 2P connector (A) from the headlight.

Headlight (high): 60 W

**Headlight (low): 51 W ('03 model)
55 W ('04-06 models)**



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Fig. 26: Disconnecting 2P Connector From Headlight
Courtesy of AMERICAN HONDA MOTOR CO., INC.

NOTE: The illustration shows '03 model.

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2. Turn the bulb socket (B) 45° counterclockwise to remove it from the headlight housing.
3. Install the new bulb in the reverse order of removal.

FRONT TURN SIGNAL LIGHT, FRONT PARKING LIGHT, FRONT SIDE MARKER LIGHT

1. Disconnect the connectors (A) from the lights.

'03 model

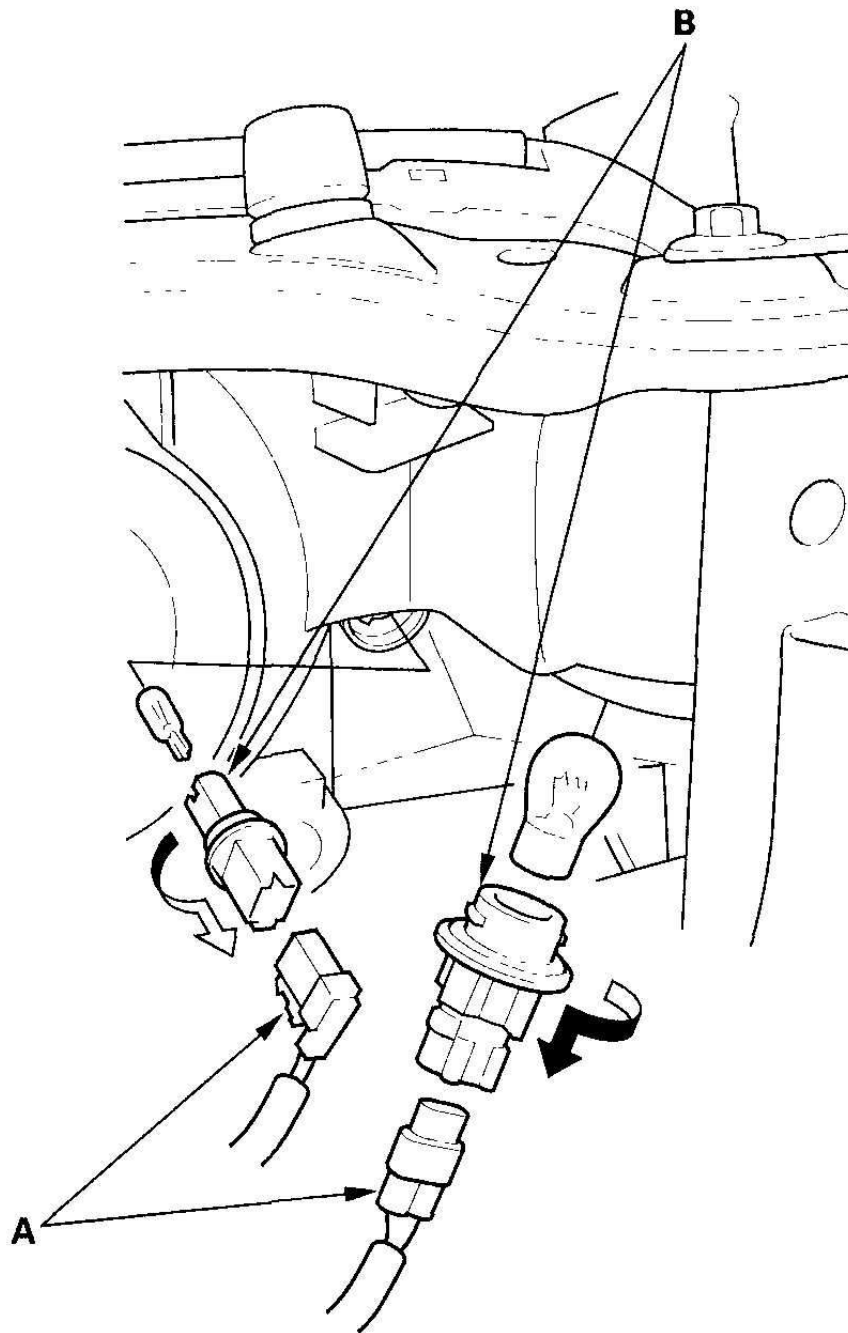
Front Parking/Side Marker Light: 5W

Front Turn Signal Light: 35W

'04-'06 models:

Front Turn Signal/Parking Light: 28/8 W

Front Side Marker Light: 5 W ('04 model) 3 CP ('05-'06 models)



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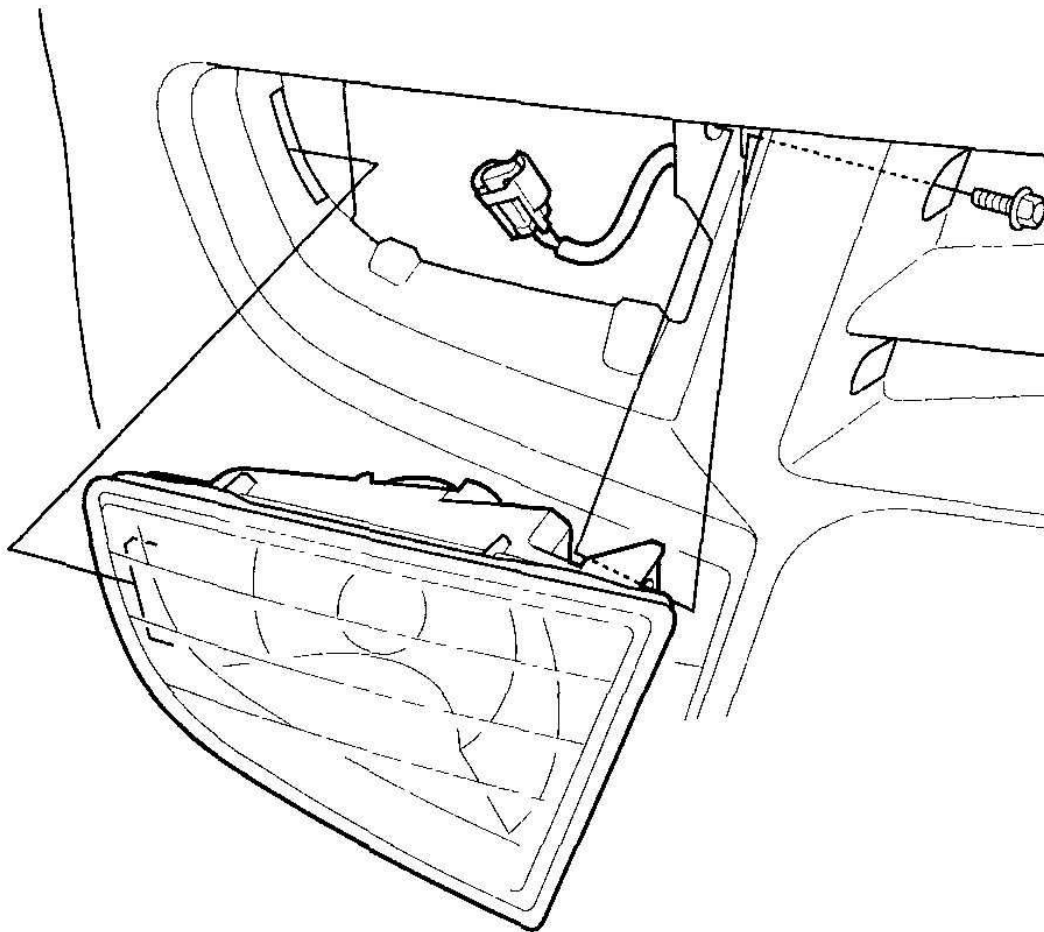
Fig. 27: Disconnecting Connectors From Lights
Courtesy of AMERICAN HONDA MOTOR CO., INC.

NOTE: The illustration shows '03 model.

2. Turn the bulb socket (B) 45° counterclockwise to remove them from the housing.
3. Install the new bulb(s) in the reverse order of removal.

FOG LIGHT AND BULB REPLACEMENT

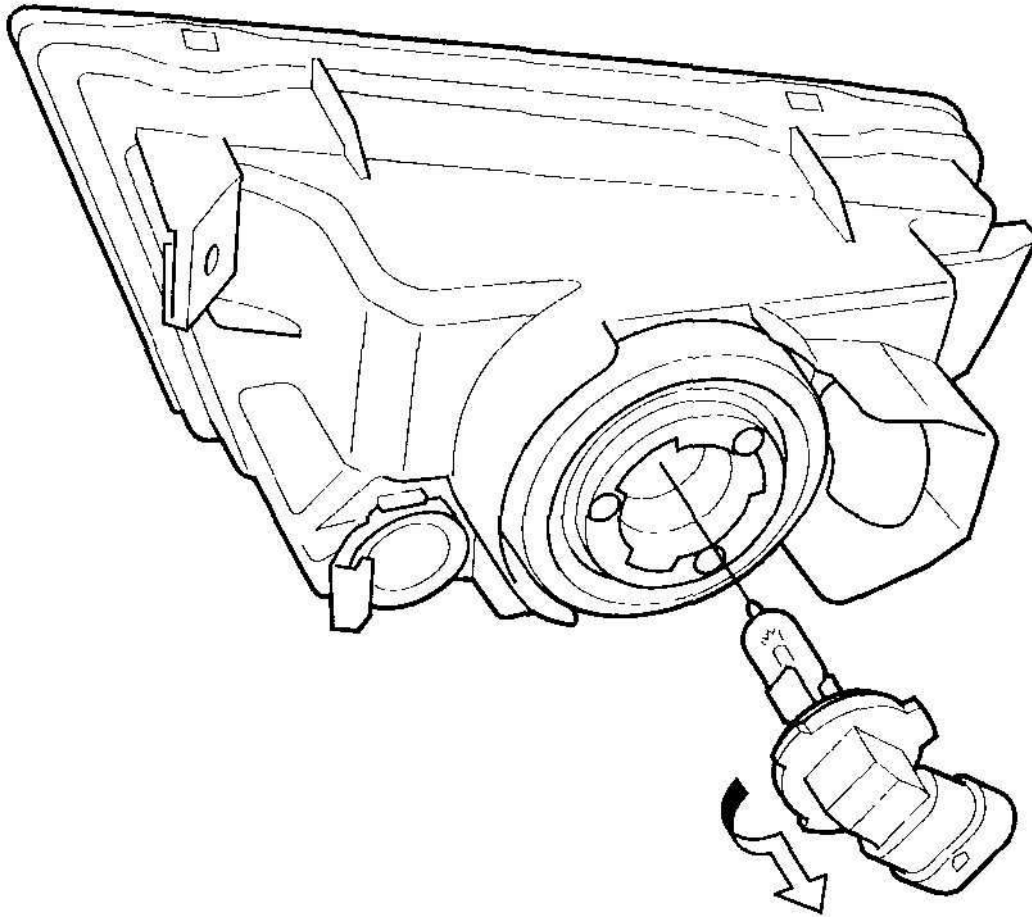
1. Remove the mounting bolt from the fog light.
2. Disconnect the 2P connector from the fog light.



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Fig. 28: Disconnecting 2P Connector From Fog Light
Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Turn the bulb socket 45° counterclockwise to remove it from the housing.



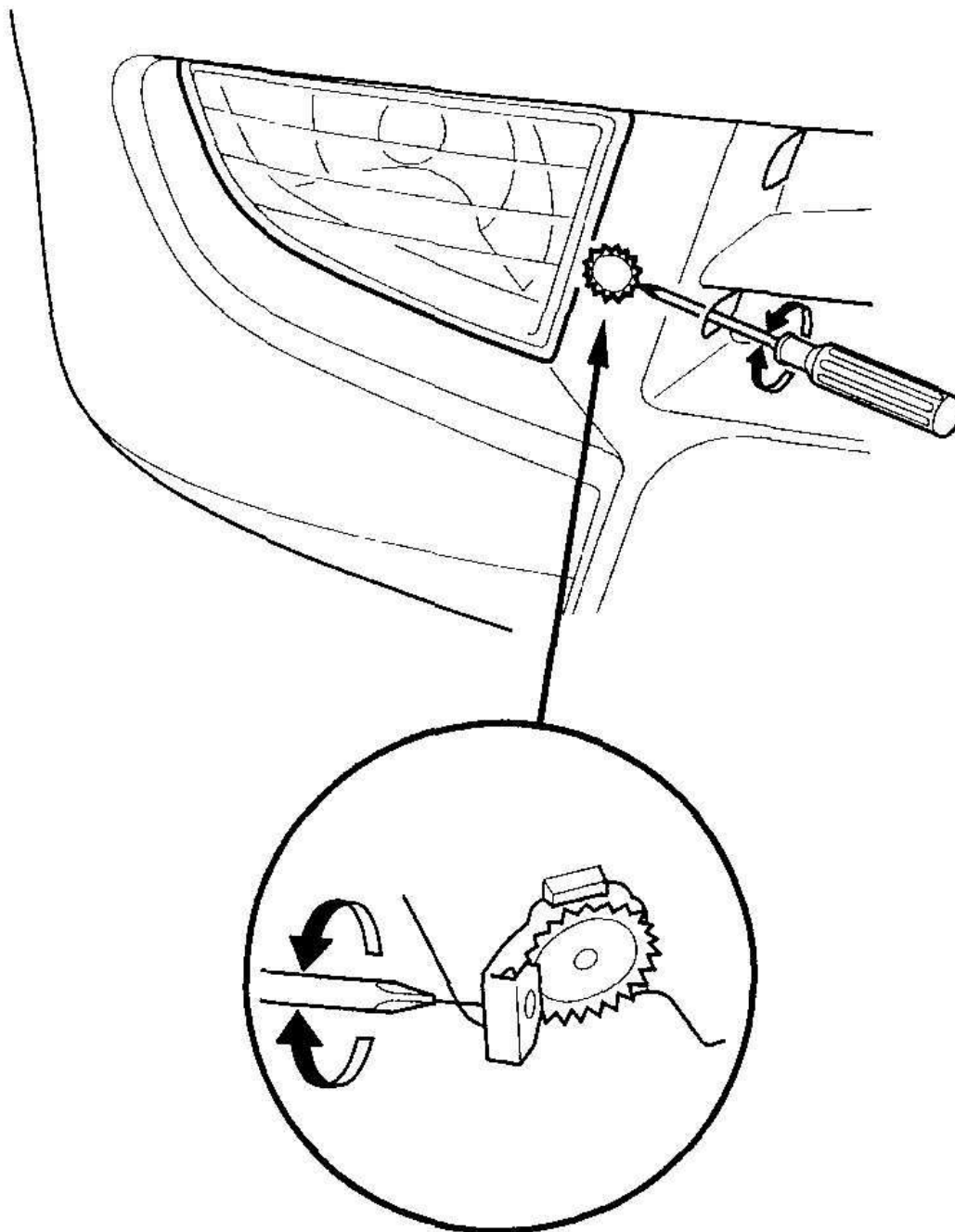
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Fig. 29: Removing Bulb Counterclockwise
Courtesy of AMERICAN HONDA MOTOR CO., INC.

4. Install in the reverse order of removal.

FOG LIGHT ADJUSTMENT

Adjust the fog lights to local requirements by turning the adjuster.



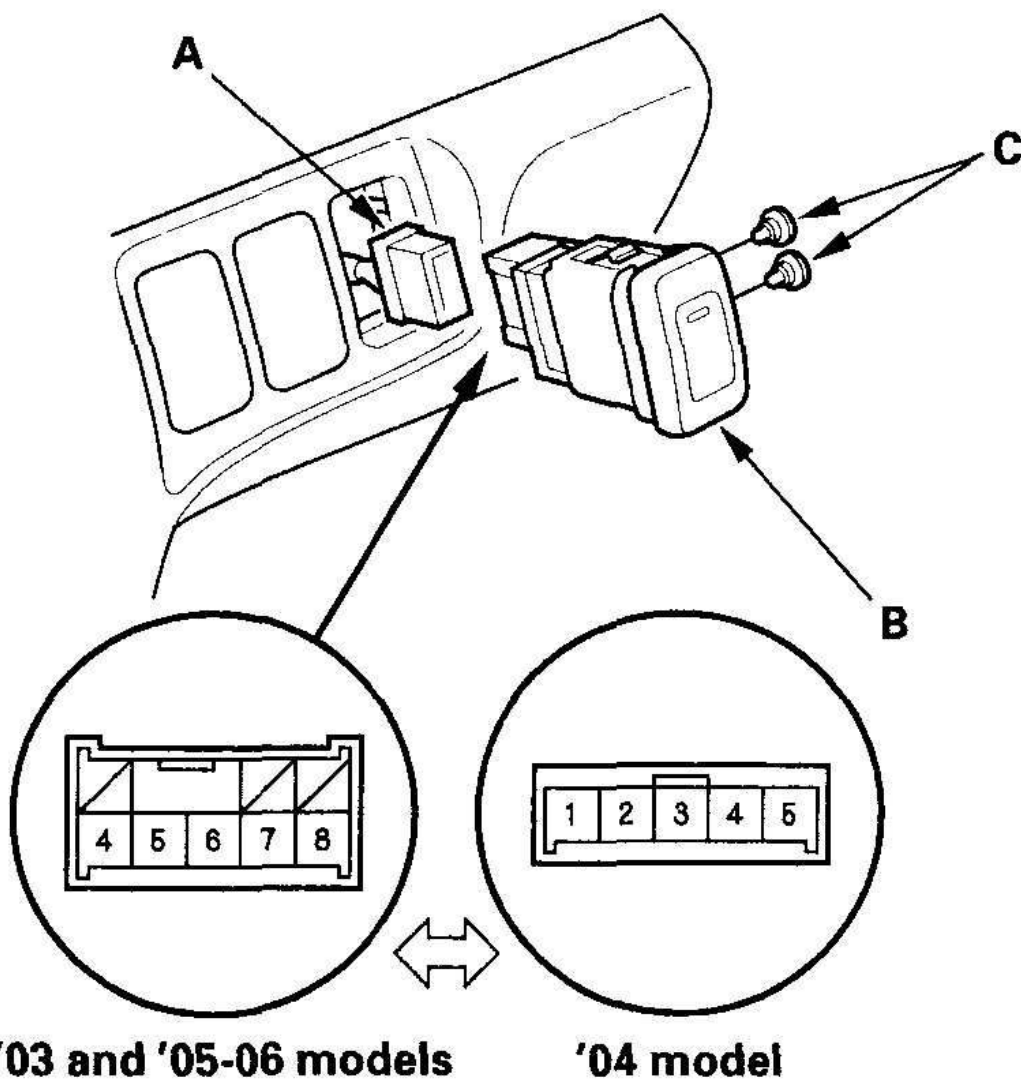
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Fig. 30: Adjusting Fog Lights
Courtesy of AMERICAN HONDA MOTOR CO., INC.

FOG LIGHT SWITCH TEST

1. Remove the dashboard lower cover (see **DRIVER'S DASHBOARD UNDER COVER REMOVAL/INSTALLATION**).
2. Disconnect the 8P (or 5P*) connector (A) from the fog light switch (B).

*: '04 model



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Fig. 31: Disconnecting Connector 8P (Or 5P*) From Fog Light Switch

Courtesy of AMERICAN HONDA MOTOR CO., INC.

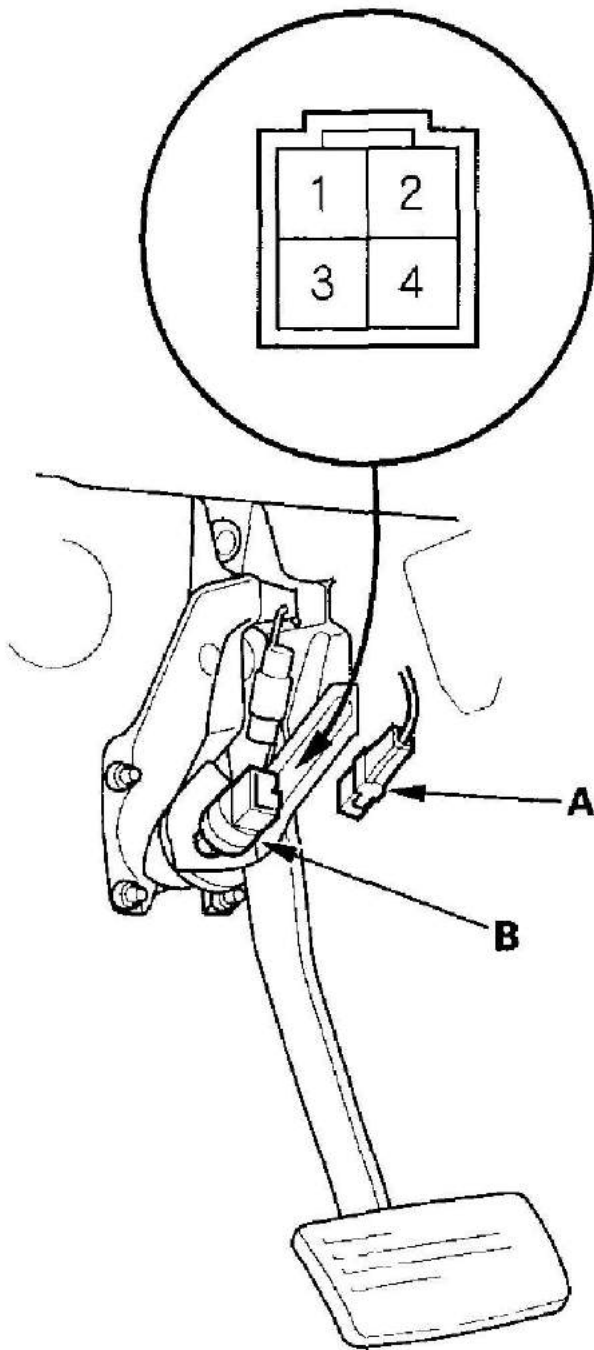
3. Pull the fog light switch out from the dashboard lower cover.
4. Check for continuity between the terminals:
 - There should be continuity between the No. 4 and No. 5 (No. 1 and No. 2)* terminals with the fog light switch OFF.
 - There should be continuity between the No. 4, No. 5 and No. 6 (No. 1, No. 2 and No. 3)* terminals with the fog light switch ON.

*: '04 model

5. If the continuity is not as specified, replace the switch.
6. If necessary, check the illumination bulbs (C).

BRAKE PEDAL POSITION SWITCH TEST

1. Disconnect the 4P connector (A) from the brake pedal position switch (B).



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Fig. 32: Disconnecting 4P Connector From Brake Pedal Position Switch
Courtesy of AMERICAN HONDA MOTOR CO., INC.

2. Check for continuity between the terminals:

- There should be continuity between the No. 2 and No. 1 terminals when the brake pedal is pressed.
 - There should be continuity between the No. 3 and No. 4 terminals when the brake pedal is released.
3. If the continuity is not as specified, replace the switch or adjust the pedal height (see **BRAKE PEDAL AND BRAKE PEDAL POSITION SWITCH ADJUSTMENT**).

TAILLIGHT REPLACEMENT

1. Open the tailgate.
2. Remove the two mounting bolts from the taillight.
3. Turn the bulb sockets 45° counterclockwise to remove it from the housing.

'03 model:

BRAKE/TAILLIGHT: 21/5 W

TURN SIGNAL LIGHT: 27/5 W (Amber)

BACK-UP LIGHT: 18 W

REAR SIDE MARKER LIGHT: 3.8 W

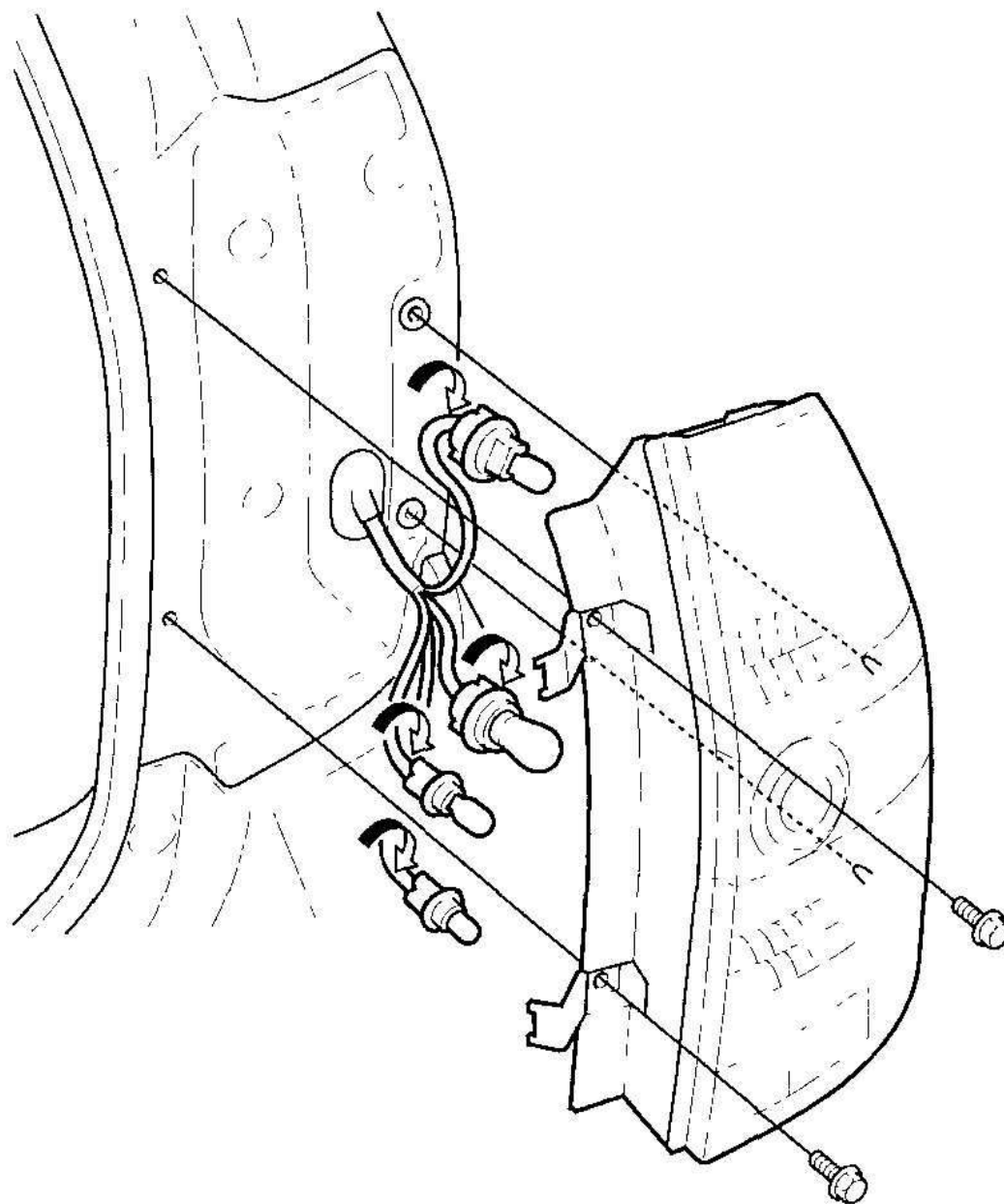
'04-'06 models:

BRAKE/TAILLIGHT: 21/5 W

TURN SIGNAL LIGHT: 21 W (Amber)

BACK-UP LIGHT: 18 W

BRAKE/REAR SIDE MARKER LIGHT: 21/5 W



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Fig. 33: Replacing Taillight

Courtesy of AMERICAN HONDA MOTOR CO., INC.

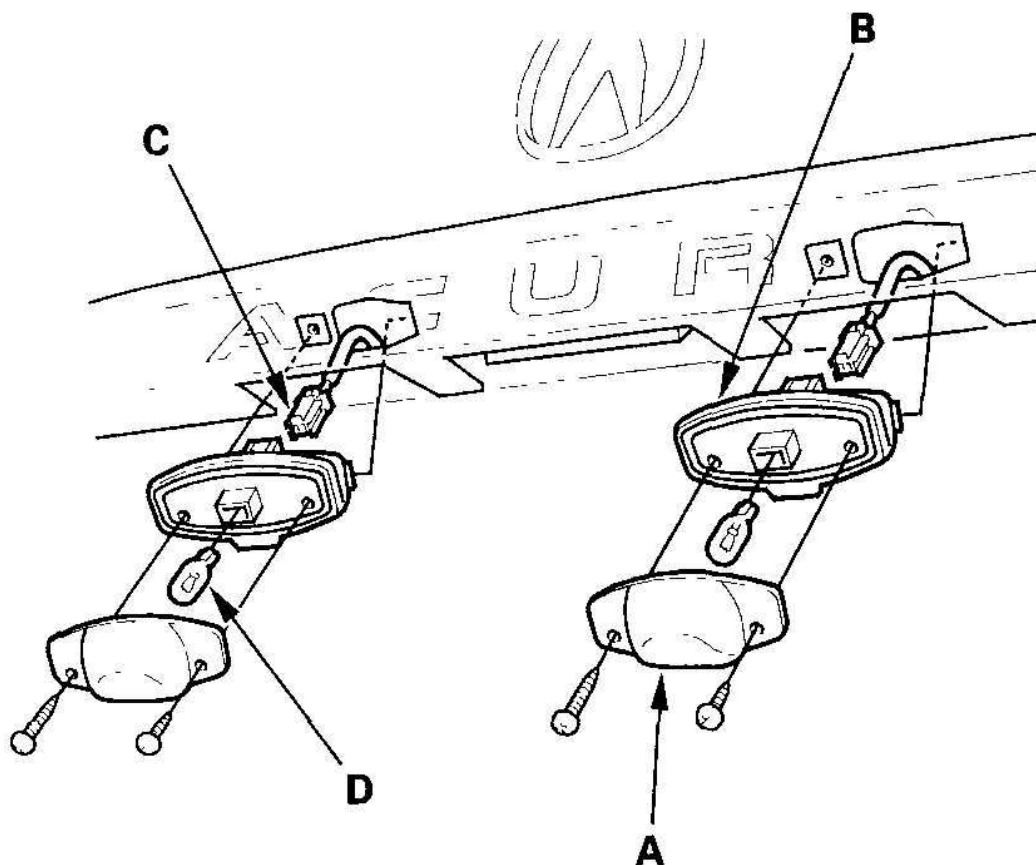
NOTE: The illustration shows '03 model.

4. Install the taillight in the reverse order of removal, then run water over it to make sure it does not leak.

LICENSE PLATE LIGHT REPLACEMENT

1. Remove the two screws, then remove the lens (A) from the license plate light (B).

LICENSE PLATE LIGHT: 5 W



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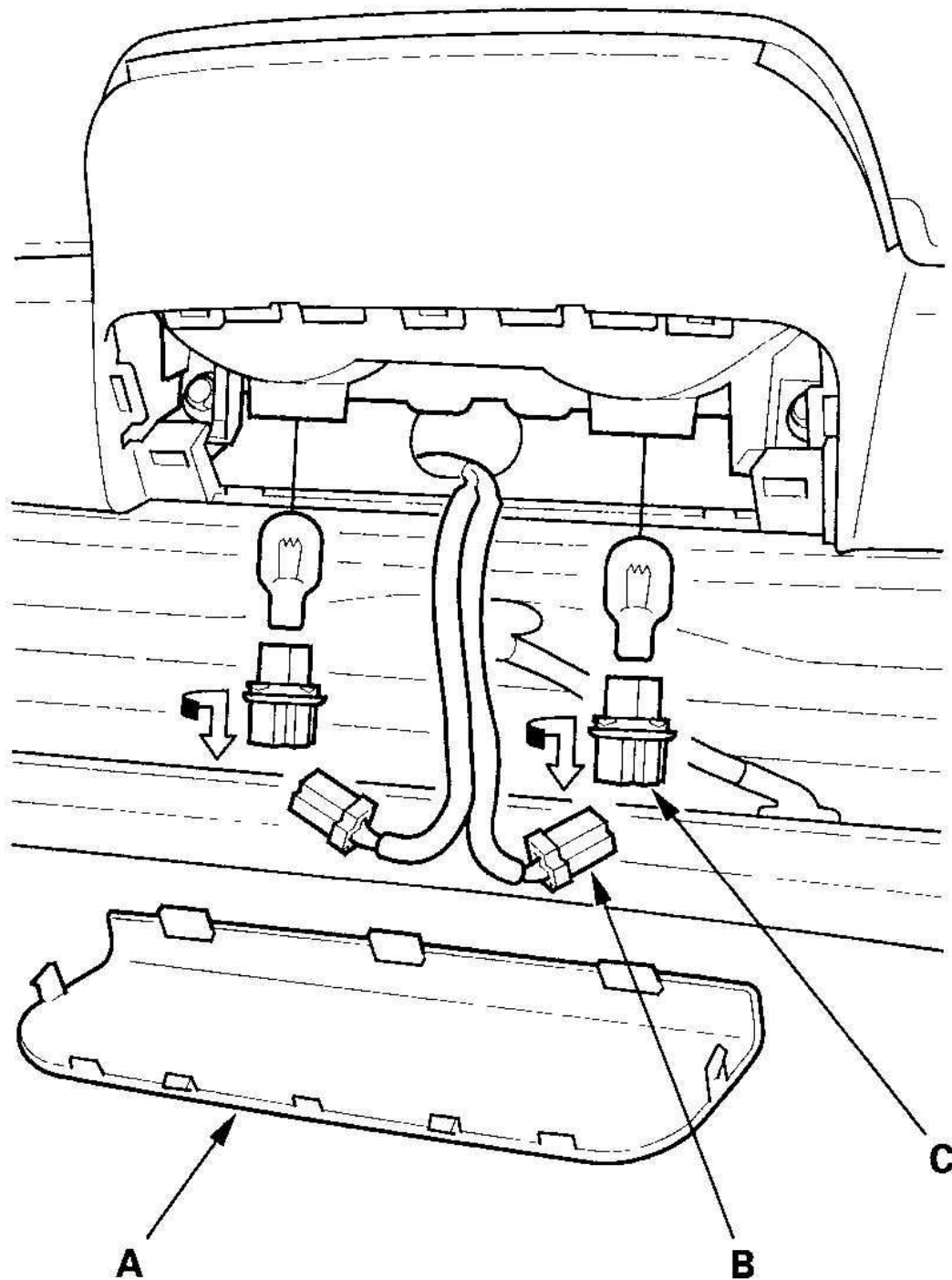
Fig. 34: Removing Lens From License Plate Light
Courtesy of AMERICAN HONDA MOTOR CO., INC.

2. Disconnect the 2P connector (C) from the license plate light.
3. Remove the bulb (D) from the license plate light.
4. Install in the reverse order of removal.

HIGH MOUNT BRAKE LIGHT REPLACEMENT

BULB

1. Open the tailgate.
2. Remove the lid cover (A) from the high mount brake light.



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Fig. 35: Removing Lid Cover From High Mount Brake Light

2006 Acura MDX

2003-06 ACCESSORIES & EQUIPMENT Exterior Light - MDX

Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Disconnect the 2P connector(s) (B) from the high mount brake light.

HIGH MOUNT BRAKE LIGHT: 21 W x 2

4. Turn the bulb sockets (C) 45° counterclockwise to remove them from the housing.
5. Install the new bulb(s) in the reverse order of removal.

LIGHT ASSEMBLY

1. Open the tailgate.
2. Remove the tailgate upper trim (see **TRIM REMOVAL/INSTALLATION - TAILGATE AREA**).
3. Turn the bulb sockets (A) 45° counterclockwise to remove them from the high mount brake light (B).

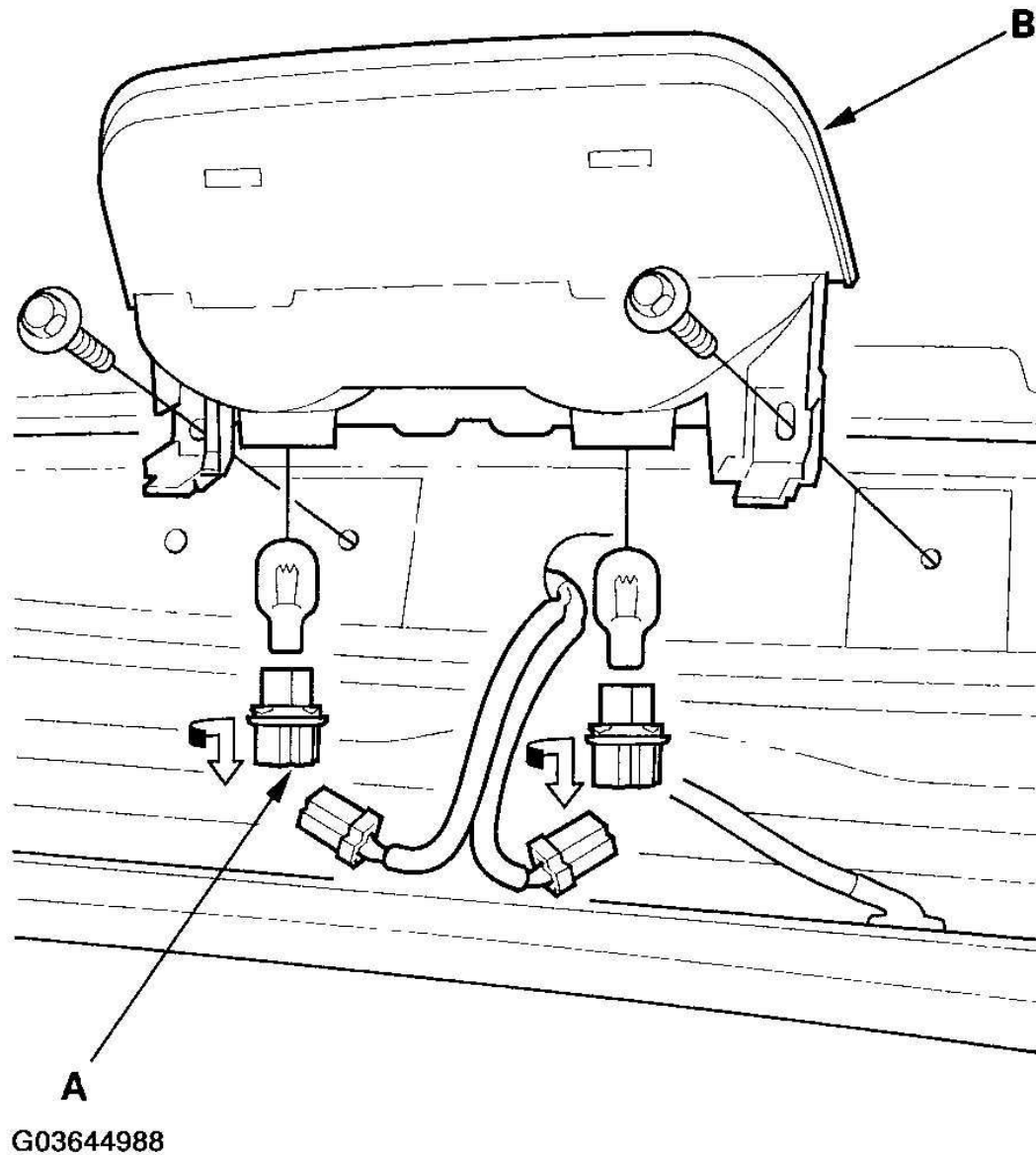


Fig. 36: Removing Bulb Sockets Counterclockwise From High Mount Brake Light
Courtesy of AMERICAN HONDA MOTOR CO., INC.

4. Remove the two mounting bolts and the high mount brake light.
5. Install in the reverse order of removal.